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Powertis

IMPIANTO AGROVOLTAICO SAN MARTINO

CALCOLI PRELIMINARI E DIMENSIONAMENTO IMPIANTI ELETTRICI

Progetto definitivo

Il Tecnico

Ing. Leonardo Sblendido

*File:*C21PWT008AFC01100_*Calcoli preliminari e dimensionamento impianti elettrici*

00	***17/10/2022***	***Prima emissione***			
			A.L.	M.Barresi	L. Sblendido
REV.	***DATE***	***DESCRIPTION***	***PREPARED***	***VERIFIED***	***APPROVED***

VALIDATION

COLLABORATORS	VERIFIED BY	VALIDATED BY

PROJECT / PLANT ***San Martino***	***CODE*** **C21PWT008AFC01100**

CLASSIFICATION	***UTILIZATION SCOPE***		

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1. PREMESSA

L'impianto agrovoltaico denominato "San Martino" sarà di tipo grid-connected con allaccio trifase in alta tensione a 150kV e potenza nominale 58,25 MWp. La produzione di energia sarà derivante da 88.320 moduli che occupano una superficie fotovoltaica suddivisa in tre macroaree e composta da 5 gruppi di conversione centralizzati INGECON® SUN 3825T C615 (PS1-PS2-PS3-PS4-PS5), ed altri 5 gruppi (PS6- PS7-PS8-PS9-PS10) connessi alle power station mediante string inverter del tipo SUN2000-215KTL.

Nome impianto	San Martino
Comune	Galtellì 08020 (NU)
Committente	Powertis
Indirizzo	Via XX Settembre 1
CAP Comune (Provincia)	00187 Roma

2. INTRODUZIONE

Ogni generatore fotovoltaico è responsabile della conversione dell'energia radiante solare in energia elettrica (in corrente continua) con moduli fotovoltaici in silicio monocristallino da 132 [2x(11x6)] celle e potenza 660W.

L'impianto fotovoltaico in oggetto è costituito da 88.260 moduli bifacciali montati su 1471 strutture fisse del tipo 2x30, pertanto ogni struttura supporta due stringhe da 30 moduli in serie.

Relativamente alle aree facenti capo ai gruppi di conversione con inverter centralizzati, denominate PS1- PS2-PS3-PS4-PS5, il parallelo di stringhe è realizzato in appositi quadri di parallelo stringa, detti string box (SB), ogni string box è connesso ad un numero di stringhe collocate su un numero intero di strutture.

L'energia prodotta dalla singola stringa è in corrente continua, a tensione inferiore a 1500V (BT) e corrente non superiore a 17.24A, ed è trasportata a mezzo di cavi aerei posati su passerella a filo portacavi agli String Box di riferimento. Ogni String Box è caricato con al più 32 stringhe fotovoltaiche ed è connesso all'inverter di riferimento a mezzo di cavidotto in corrente continua, a tensione inferiore a 1500V (BT).

Il parallelo degli string box (SB) è realizzato in appositi quadri di parallelo dc presenti negli inverter centralizzati, detti combiner box (QPPI).

Relativamente alle aree denominate PS6-PS7-PS8-PS9-PS10 la conversione dell'energia avviene mediante gli inverter di stringa, i quali sono caricati al massimo con 14 stringhe ognuno mediante cavi aerei posati su passerella a filo portacavi. Il parallelo tra gli inverter di stringa e la power station sarà realizzato mediante un quadro di parallelo AC in bassa tensione presente all'interno della power station e la connessione avverrà mediante cavidotto BT interrato.

Nell'area dell'impianto sono presenti come principali componenti all'aperto:

- N.88.260 moduli fotovoltaici;
- N.1471 strutture fisse 2x30 moduli;
- N.2942 stringhe da 30 moduli;
- N.70 string box denominati SB L.X.Y.Z;
- N.10 Power station;
- N.1 Sottostazione Utente 150/30kV

Sul lato in corrente alternata ogni inverter è connesso ad un trasformatore di potenza idoneo all'installazione all'interno. I trasformatori saranno in resina e idonei per il funzionamento a frequenza industriale 50Hz e saranno della seguente taglia:

Nome Power station	Taglia Trasformatore
PS1	6850kVA 0.615/0.615/30kV
PS1.1	3500 kVA 0.615/30kV
PS2	6850kVA 0.615/0.615/30kV
PS3	6850kVA 0.615/0.615/30kV
PS4	6850kVA 0.615/0.615/30kV
PS5	6850kVA 0.615/0.615/30kV
PS5.1	3500 kVA 0.615/30kV
PS6	1000 kVA 0.615/30kV
PS7	1600 kVA 0.615/30kV
PS8	1800 kVA 0.615/30kV
PS9	1200 kVA 0.615/30kV
PS10	1600 kVA 0.615/30kV

Le dimensioni delle cabine sono pari a (WxHxD) 6.058 x 2.896 x 2.438 mm e sono connesse in modalità entra-esce a mezzo di cavo MT come segue:

LINEA MT	
DA	A
PS1.1	PS1
PS1	PS2
PS2	SSE UTENTE 150/30kV
LINEA MT	
DA	A
PS4	PS3
PS3	SSE UTENTE 150/30kV
LINEA MT	
DA	A
PS5.1	PS5
PS5	SSE UTENTE 150/30kV
LINEA MT	
DA	A
PS8	PS6
PS6	PS7
PS7	PS10-9
PS10-9	SSE UTENTE 150/30kV

3. RIFERIMENTI NORMATIVI

Gli impianti devono essere realizzati a regola d'arte, come prescritto dalle normative vigenti, ed in particolare dal D.M. 22 gennaio 2008, n. 37.

Tutte le opere, nel rispetto della "regola d'arte", nonché delle leggi, norme e disposizioni vigenti, inoltre,

se non diversamente specificato, dovranno essere realizzate in osservanza delle Norme CEI, IEC, CENELEC, ISO, UNI in vigore. Si riporta nel seguito un elenco delle principali leggi e norme di riferimento. S'intendono comprese nelle stesso tutte le varianti, le errata corrige, le modifiche ed integrazioni.

Le caratteristiche degli impianti stessi, nonché dei loro componenti, devono essere in accordo con le norme di legge e di regolamento vigenti ed in particolare essere conformi:

- alle prescrizioni di autorità locali, comprese quelle dei VVFF;
- alle prescrizioni e indicazioni del Codice di Rete;
- alle norme CEI (Comitato Elettrotecnico Italiano).

Si riporta di seguito una lista delle principali leggi e norme tecniche.

- CEI 11-27 – Lavori su impianti elettrici
- CEI EN 50110-1-2 – Esercizio degli impianti elettrici
- CEI EN 61936-1 - Class. CEI 99-2 - CT 99 - Fascicolo 11373 - Anno 2011: Impianti elettrici con tensione superiore a 1 kV in c.a - Parte 1: Prescrizioni comuni
- CEI EN 50522 - Class. CEI 99-3 - CT 99 - Fascicolo 11372 - Anno 2011 - Edizione +EC 1+EC 2: Messa a terra degli impianti elettrici a tensione superiore a 1 kV in c.a.
- CEI 11-17 – Impianti di produzione, trasmissione e distribuzione di energia elettrica – Linee in cavo

4. DIMENSIONAMENTO CAVI E PERDITE BT

Si riporta di seguito il dimensionamento dei cavi DC e AC in bassa tensione.

SB 1.1.1.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,1.1.1	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.1 2	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.1 3	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.1 4	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.1 5	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.1 6	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.1 7	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.1 8	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.1 9	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.1 10	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.1 11	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.1 12	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.1 13	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.1 14	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.1 15	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.1 16	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.1.1 17	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.1 18	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.1 19	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.1 20	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.1 21	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.1 22	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.1 23	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.1 24	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.1 25	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.1 26	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.1 27	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.1 28	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.1 29	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.1 30	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.1 31	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.1 32	string box SB 1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1,1.1 1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB1.1.1.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,1.2.1	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.2.2	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.2.3	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.2.4	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.2.5	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.2.6	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.2.7	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.2.8	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.2.9	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.2.10	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.2.11	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.2.12	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.2.13	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.2.14	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.2.15	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.2.16	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.2.17	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.2.18	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.2.19	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.2.20	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.2.21	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.2.22	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.2.23	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.2.24	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.2.25	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.2.26	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.2.27	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.2.28	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.2.29	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.2.30	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.2.31	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.2.32	string box SB 1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1,1.2.1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB1.1.1.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,1.3.1	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.3.2	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.3.3	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.3.4	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.3.5	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.3.6	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.3.7	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.3.8	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.3.9	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.3.10	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.3.11	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.3.12	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.3.13	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.3.14	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.3.15	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.3.16	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.3.17	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.3.18	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.3.19	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.3.20	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.3.21	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.3.22	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.3.23	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.3.24	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.3.25	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.3.26	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.3.27	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.3.28	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.3.29	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.3.30	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.3.31	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.3.32	string box SB 1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1,1.3.1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB1.1.1.4

	To		Cable code	Type of cable	Formation		Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
1.1.1.4.1	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
1.1.1.4.2	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
1.1.1.4.3	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
1.1.1.4.4	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
1.1.1.4.5	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
1.1.1.4.6	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
1.1.1.4.7	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
1.1.1.4.8	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
1.1.1.4.9	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
1.1.1.4.10	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
1.1.1.4.11	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
1.1.1.4.12	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
1.1.1.4.13	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
1.1.1.4.14	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
1.1.1.4.15	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
1.1.1.4.16	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
1.1.1.4.17	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
1.1.1.4.18	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
1.1.1.4.19	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
1.1.1.4.20	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
1.1.1.4.21	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
1.1.1.4.22	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
1.1.1.4.23	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
1.1.1.4.24	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
1.1.1.4.25	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
1.1.1.4.26	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
1.1.1.4.27	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
1.1.1.4.28	string box	SB 1.1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x	10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
1.1.1.4.1	Power station	PS 1	ARG16R	ALUMINIUM	2x 1 x	630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	482.72	20	EPR	6	25	620.928	OK	2.35%	4.676
																											MAX. VOLTAGE DROP	2.85%	

SB1.1.1.5

From	To		Cable code	Type of cable	Formation		Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,1.5.1	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.5.2	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.5.3	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.5.4	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.5.5	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.5.6	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.5.7	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.5.8	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.5.9	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.5.10	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.5.11	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.5.12	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.5.13	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.5.14	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.5.15	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.5.16	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.5.17	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.5.18	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.5.19	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.5.20	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.5.21	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.5.22	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.5.23	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.5.24	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.5.25	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.5.26	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.5.27	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.5.28	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.5.29	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.5.30	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.5.31	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.5.32	string box	SB 1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x	16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1.1.1.5.1	Power station	PS 1	ARG16R	ALUMINIUM	2x 1 x	630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																											MAX. VOLTAGE DROP	3.19%	

SB1.1.1.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,1.6.1	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.6.2	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.6.3	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.6.4	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.6.5	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.6.6	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.6.7	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.6.8	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.6.9	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.6.10	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.6.11	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.6.12	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.6.13	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.6.14	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.6.15	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.6.16	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.6.17	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.6.18	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.6.19	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.6.20	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.6.21	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.6.22	string box SB 1,1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 1,1.6.1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB1.1.1.7

om	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,1.7.1	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.7.2	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,1.7.3	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.7.4	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.7.5	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.7.6	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.7.7	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.7.8	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.7.9	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.7.10	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,1.7.11	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.7.12	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,1.7.13	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.7.14	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,1.7.15	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.7.16	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,1.7.17	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.7.18	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,1.7.19	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.7.20	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,1.7.21	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.7.22	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.7.23	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.7.24	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.7.25	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.7.26	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,1.7.27	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.7.28	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,1.7.29	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.7.30	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,1.7.31	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,1.7.32	string box SB 1,1.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1,1.7.1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB1.1.2.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,2.1.1	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.1 2	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.1 3	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.1 4	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.1 5	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.1 6	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.1 7	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.1 8	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.1 9	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.1 10	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.1 11	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.1 12	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.1 13	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.1 14	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.1 15	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.1 16	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.1.17	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.1 18	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.1 19	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.1 20	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.1 21	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.1 22	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.1 23	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.1 24	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.1 25	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.1 26	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.1 27	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.1 28	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.1 29	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.1 30	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.1 31	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.1 32	string box SB 1,1.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1,1.2.1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB1.1.2.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,2.2.1	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.2.2	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.2.3	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.2.4	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.2.5	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.2.6	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.2.7	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.2.8	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.2.9	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.2.10	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.2.11	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.2.12	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.2.13	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.2.14	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.2.15	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.2.16	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.2.17	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.2.18	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.2.19	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.2.20	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.2.21	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.2.22	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.2.23	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.2.24	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.2.25	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.2.26	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.2.27	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.2.28	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.2.29	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.2.30	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.2.31	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.2.32	string box SB1,1.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB1,1.2.2	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB1.1.2.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,2.3.1	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.3.2	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.3.3	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.3.4	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.3.5	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.3.6	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.3.7	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.3.8	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.3.9	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.3.10	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.3.11	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.3.12	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.3.13	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.3.14	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.3.15	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.3.16	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.3.17	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.3.18	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.3.19	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.3.20	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.3.21	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.3.22	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.3.23	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.3.24	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.3.25	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.3.26	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.3.27	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.3.28	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.3.29	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.3.30	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.3.31	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.3.32	string box SB1,1.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB1,1.2.3	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB1.1.2.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,2.4.1	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.4.2	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.4.3	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.4.4	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.4.5	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.4.6	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.4.7	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.4.8	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.4.9	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.4.10	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.4.11	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.4.12	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.4.13	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.4.14	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.4.15	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.4.16	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.4.17	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.4.18	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.4.19	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.4.20	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.4.21	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.4.22	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.4.23	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.4.24	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.4.25	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.4.26	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.4.27	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.4.28	string box SB 1,1.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 1,1.2.4	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB1.1.2.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,2.5.1	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.5.2	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.5.3	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.5.4	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.5.5	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.5.6	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.5.7	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.5.8	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.5.9	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.5.10	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.5.11	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.5.12	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.5.13	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.5.14	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.5.15	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.5.16	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.5.17	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.5.18	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.5.19	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.5.20	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.5.21	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.5.22	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.5.23	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.5.24	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.5.25	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.5.26	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.5.27	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.5.28	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.5.29	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.5.30	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.5.31	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.5.32	string box SB 1,1.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1,1.2.5	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB1.1.2.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,2.6.1	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.6.2	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.6.3	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.6.4	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.6.5	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.6.6	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.6.7	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.6.8	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.6.9	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.6.10	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.6.11	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.6.12	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.6.13	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.6.14	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.6.15	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.6.16	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.6.17	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.6.18	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.6.19	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.6.20	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.6.21	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.6.22	string box SB1,1.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB1,2.6.1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB1.1.2.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1,2.7.1	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.7.2	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1,2.7.3	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.7.4	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.7.5	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.7.6	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.7.7	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.7.8	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.7.9	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.7.10	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1,2.7.11	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.7.12	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1,2.7.13	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.7.14	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1,2.7.15	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.7.16	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1,2.7.17	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.7.18	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1,2.7.19	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.7.20	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1,2.7.21	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.7.22	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.7.23	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.7.24	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.7.25	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.7.26	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1,2.7.27	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.7.28	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1,2.7.29	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.7.30	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1,2.7.31	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1,2.7.32	string box SB1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB1,2.7.1	Power station PS 1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
13.515	8870.4	0.15%	0.60%	OK	80.009	0.90%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
iku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS1.1 SB1.1.1.1.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1.1,1.1.1	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.1.2	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.1.3	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.1.4	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.1.5	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.1.6	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.1.7	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.1.8	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.1.9	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.1.10	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.1.11	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.1.12	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.1.13	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.1.14	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.1.15	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.1.16	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.1.17	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.1.18	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.1.19	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.1.20	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.1.21	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.1.22	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.1.23	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.1.24	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.1.25	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,1.1.26	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,1.1.27	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1,1.1.28	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1,1.1.29	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.1.30	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.1.31	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.1.32	string box SB 1.1,1.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1.1,1.1.1	Power station PS 1.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB1.1.1.1.2.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1.1,1.2.1	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.2.2	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.2.3	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.2.4	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.2.5	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.2.6	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.2.7	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.2.8	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.2.9	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.2.10	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.2.11	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.2.12	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.2.13	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.2.14	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.2.15	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.2.16	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.2.17	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.2.18	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.2.19	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.2.20	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.2.21	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.2.22	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.2.23	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.2.24	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.2.25	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,1.2.26	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,1.2.27	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1,1.2.28	string box SB 1.1,1.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 1.1,1.2.1	Power station PS 1.1	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB1.1.1.1.3.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1.1,1.3.1	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.3.2	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.3.3	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.3.4	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.3.5	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.3.6	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.3.7	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.3.8	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.3.9	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.3.10	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.3.11	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.3.12	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.3.13	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.3.14	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.3.15	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.3.16	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.3.17	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.3.18	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.3.19	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.3.20	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.3.21	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.3.22	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.3.23	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.3.24	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.3.25	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,1.3.26	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,1.3.27	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1,1.3.28	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1,1.3.29	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.3.30	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.3.31	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,1.3.32	string box SB 1.1,1.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1.1,1.1.3.1	Power station PS 1.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB1.1.1.1.4.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1.1,1.4.1	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.4.2	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,1.4.3	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.4.4	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.4.5	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.4.6	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.4.7	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.4.8	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.4.9	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.4.10	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,1.4.11	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.4.12	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,1.4.13	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.4.14	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,1.4.15	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.4.16	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,1.4.17	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.4.18	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,1.4.19	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.4.20	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,1.4.21	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,1.4.22	string box SB 1.1,1.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 1.1,1.1.4.1	Power station PS 1.1	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																								MAX. VOLTAGE DROP		3.57%	

SB1.1.1.1.5.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1.1.1.5.1	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1.1.5.2	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1.1.5.3	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.5.4	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.5.5	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.5.6	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.5.7	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.5.8	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.5.9	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1.1.5.10	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1.1.5.11	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.5.12	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.5.13	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.5.14	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.5.15	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.5.16	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.5.17	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1.1.5.18	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1.1.5.19	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1.1.5.20	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1.1.5.21	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.5.22	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.5.23	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1.1.5.24	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1.1.5.25	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1.1.5.26	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1.1.5.27	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1.1.5.28	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1.1.5.29	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.5.30	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.5.31	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1.1.5.32	string box SB 1.1.1.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1.1.1.1.5.1	Power station PS 1.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB1.1.1.1.6.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1.1.1.6.1	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1.1.6.2	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1.1.6.3	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.6.4	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.6.5	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.6.6	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.6.7	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.6.8	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.6.9	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1.1.6.10	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1.1.6.11	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.6.12	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1.1.6.13	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.6.14	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1.1.6.15	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.6.16	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1.1.6.17	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1.1.6.18	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1.1.6.19	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1.1.6.20	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1.1.6.21	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.6.22	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.6.23	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1.1.6.24	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1.1.6.25	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1.1.6.26	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1.1.6.27	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1.1.6.28	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1.1.6.29	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.6.30	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1.1.6.31	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1.1.6.32	string box SB 1.1.1.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1.1.1.1.6.1	Power station PS 1.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB1.1.1.1.7.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 1.1.1,2.7.1	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,2.7.2	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 1.1.1,2.7.3	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,2.7.4	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,2.7.5	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,2.7.6	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,2.7.7	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,2.7.8	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,2.7.9	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,2.7.10	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 1.1.1,2.7.11	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,2.7.12	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 1.1.1,2.7.13	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,2.7.14	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 1.1.1,2.7.15	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,2.7.16	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 1.1.1,2.7.17	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,2.7.18	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 1.1.1,2.7.19	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,2.7.20	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 1.1.1,2.7.21	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,2.7.22	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,2.7.23	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,2.7.24	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,2.7.25	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,2.7.26	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 1.1.1,2.7.27	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1,2.7.28	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 1.1.1,2.7.29	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,2.7.30	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 1.1.1,2.7.31	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 1.1.1,2.7.32	string box SB 1.1,1.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 1.1,2.7.1	Power station PS 1.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
6.758	8870.4	0.08%	0.60%	OK	41.361	0.47%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS2 SB2.2.1.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,1.1.1	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.1.2	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.1.3	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.1.4	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.1.5	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.1.6	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.1.7	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.1.8	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.1.9	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.1.10	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.1.11	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.1.12	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.1.13	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.1.14	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.1.15	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.1.16	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.1.17	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.1.18	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.1.19	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.1.20	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.1.21	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.1.22	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.1.23	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.1.24	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.1.25	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.1.26	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.1.27	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.1.28	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.1.29	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.1.30	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.1.31	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.1.32	string box SB2,2.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB2,2.1.1	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.2.1.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,1.2.1	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.2.2	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.2.3	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.2.4	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.2.5	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.2.6	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.2.7	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.2.8	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.2.9	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.2.10	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.2.11	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.2.12	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.2.13	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.2.14	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.2.15	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.2.16	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.2.17	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.2.18	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.2.19	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.2.20	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.2.21	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.2.22	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.2.23	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.2.24	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.2.25	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.2.26	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.2.27	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.2.28	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.2.29	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.2.30	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.2.31	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.2.32	string box SB 2,2.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,2.1.2	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.2.1.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,1.3.1	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.3.2	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.3.3	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.3.4	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.3.5	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.3.6	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.3.7	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.3.8	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.3.9	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.3.10	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.3.11	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.3.12	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.3.13	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.3.14	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.3.15	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.3.16	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.3.17	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.3.18	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.3.19	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.3.20	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.3.21	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.3.22	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.3.23	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.3.24	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.3.25	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.3.26	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.3.27	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.3.28	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.3.29	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.3.30	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.3.31	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.3.32	string box SB 2,2.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,2.1.3	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.2.1.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string	string box SB 2 , 2 . 1 . 4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	482.72	20	EPR	6	25	620.928	OK	2.35%	4.676
																								MAX. VOLTAGE DROP		2.85%	

SB2.2.1.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string	string box SB 2 , 2 . 1 . 5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB2.2.1.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,1.6.1	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.6.2	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.6.3	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.6.4	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.6.5	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.6.6	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.6.7	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.6.8	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.6.9	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.6.10	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.6.11	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.6.12	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.6.13	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.6.14	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.6.15	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.6.16	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.6.17	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.6.18	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.6.19	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.6.20	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.6.21	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.6.22	string box SB 2,2.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 2,2.1.6	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB2.2.1.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,1.7.1	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.7.2	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,1.7.3	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.7.4	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.7.5	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.7.6	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.7.7	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.7.8	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.7.9	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.7.10	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,1.7.11	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.7.12	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,1.7.13	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.7.14	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,1.7.15	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.7.16	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,1.7.17	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.7.18	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,1.7.19	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.7.20	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,1.7.21	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.7.22	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.7.23	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.7.24	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.7.25	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.7.26	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,1.7.27	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.7.28	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,1.7.29	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.7.30	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,1.7.31	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,1.7.32	string box SB 2,2.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,2.1.7	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.2.2.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string	string box SB 2.2.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036

SB2.2.2.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,2.3.1	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.3.2	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.3.3	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.3.4	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.3.5	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.3.6	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.3.7	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.3.8	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.3.9	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.3.10	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.3.11	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.3.12	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.3.13	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.3.14	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.3.15	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.3.16	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.3.17	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.3.18	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.3.19	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.3.20	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.3.21	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.3.22	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.3.23	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.3.24	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.3.25	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,2.3.26	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,2.3.27	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,2.3.28	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,2.3.29	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.3.30	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.3.31	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.3.32	string box SB 2,2.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,2.2.3	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.2.2.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,2.4.1	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.4.2	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.4.3	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.4.4	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.4.5	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.4.6	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.4.7	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.4.8	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.4.9	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.4.10	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.4.11	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.4.12	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.4.13	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.4.14	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.4.15	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.4.16	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.4.17	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.4.18	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.4.19	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.4.20	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.4.21	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.4.22	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.4.23	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.4.24	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.4.25	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,2.4.26	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,2.4.27	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,2.4.28	string box SB 2,2.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 2,2.2.4	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB2.2.2.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,2.5.1	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.5.2	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.5.3	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.5.4	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.5.5	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.5.6	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.5.7	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.5.8	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.5.9	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.5.10	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.5.11	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.5.12	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.5.13	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.5.14	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.5.15	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.5.16	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.5.17	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.5.18	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.5.19	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.5.20	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.5.21	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.5.22	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.5.23	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.5.24	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.5.25	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,2.5.26	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2,2.5.27	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,2.5.28	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2,2.5.29	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.5.30	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.5.31	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2,2.5.32	string box SB 2,2.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,2.2.5	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.2.2.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2,2.6.1	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.6.2	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2,2.6.3	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.6.4	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.6.5	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.6.6	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.6.7	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.6.8	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.6.9	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.6.10	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2,2.6.11	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.6.12	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2,2.6.13	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.6.14	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2,2.6.15	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.6.16	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2,2.6.17	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.6.18	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2,2.6.19	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.6.20	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2,2.6.21	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2,2.6.22	string box SB 2,2.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 2,2.1.6	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB2.2.2.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.2.2.7.1	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2.2.7.2	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.2.2.7.3	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2.2.7.4	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2.2.7.5	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2.2.7.6	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2.2.7.7	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2.2.7.8	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2.2.7.9	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2.2.7.10	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.2.2.7.11	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2.2.7.12	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.2.2.7.13	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2.2.7.14	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.2.2.7.15	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2.2.7.16	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.2.2.7.17	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2.2.7.18	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.2.2.7.19	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2.2.7.20	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.2.2.7.21	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2.2.7.22	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2.2.7.23	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2.2.7.24	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2.2.7.25	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2.2.7.26	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.2.2.7.27	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2.2.7.28	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.2.2.7.29	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2.2.7.30	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.2.2.7.31	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.2.2.7.32	string box SB 2.2.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2.2.1.7	Power station PS 2	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
10.775	8870.4	0.12%	0.60%	OK	81.365	0.92%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS 3 SB2.3.1.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,1.1.1	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.1.2	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.1.3	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.1.4	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.1.5	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.1.6	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.1.7	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.1.8	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.1.9	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.1.10	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.1.11	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.1.12	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.1.13	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.1.14	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.1.15	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.1.16	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.1.17	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.1.18	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.1.19	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.1.20	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.1.21	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.1.22	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.1.23	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.1.24	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.1.25	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.1.26	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.1.27	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.1.28	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.1.29	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.1.30	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.1.31	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.1.32	string box SB 2,3.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.1.1	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.3.1.2.

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,1.2.1	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.2.2	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.2.3	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.2.4	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.2.5	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.2.6	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.2.7	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.2.8	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.2.9	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.2.10	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.2.11	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.2.12	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.2.13	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.2.14	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.2.15	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.2.16	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.2.17	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.2.18	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.2.19	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.2.20	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.2.21	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.2.22	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.2.23	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.2.24	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.2.25	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.2.26	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.2.27	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.2.28	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.2.29	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.2.30	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.2.31	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.2.32	string box SB 2,3.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.1.2	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB 2.3.1.3.

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,1.3.1	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.3.2	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.3.3	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.3.4	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.3.5	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.3.6	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.3.7	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.3.8	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.3.9	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.3.10	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.3.11	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.3.12	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.3.13	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.3.14	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.3.15	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.3.16	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.3.17	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.3.18	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.3.19	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.3.20	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.3.21	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.3.22	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.3.23	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.3.24	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.3.25	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.3.26	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.3.27	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.3.28	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.3.29	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.3.30	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.3.31	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.3.32	string box SB 2,3.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.1.3	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB 2.3.1.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,1.4.1	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.4.2	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.4.3	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.4.4	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.4.5	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.4.6	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.4.7	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.4.8	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.4.9	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.4.10	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.4.11	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.4.12	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.4.13	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.4.14	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.4.15	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.4.16	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.4.17	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.4.18	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.4.19	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.4.20	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.4.21	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.4.22	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.4.23	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.4.24	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.4.25	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.4.26	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.4.27	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.4.28	string box SB 2,3.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 2,3.1.4	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB 2.3.1.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,1.5.1	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.5.2	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.5.3	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.5.4	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.5.5	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.5.6	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.5.7	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.5.8	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.5.9	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.5.10	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.5.11	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.5.12	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.5.13	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.5.14	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.5.15	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.5.16	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.5.17	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.5.18	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.5.19	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.5.20	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.5.21	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.5.22	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.5.23	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.5.24	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.5.25	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.5.26	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.5.27	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.5.28	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.5.29	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.5.30	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.5.31	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.5.32	string box SB 2,3.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.1.5	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.3.1.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,1.6.1	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.6.2	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.6.3	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.6.4	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.6.5	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.6.6	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.6.7	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.6.8	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.6.9	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.6.10	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.6.11	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.6.12	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.6.13	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.6.14	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.6.15	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.6.16	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.6.17	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.6.18	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.6.19	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.6.20	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.6.21	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.6.22	string box SB 2,3.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 2,3.1.6	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																										MAX. VOLTAGE DROP	3.57%	

SB2.3.1.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,1.7.1	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.7.2	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,1.7.3	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.7.4	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.7.5	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.7.6	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.7.7	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.7.8	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.7.9	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.7.10	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,1.7.11	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.7.12	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,1.7.13	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.7.14	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,1.7.15	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.7.16	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,1.7.17	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.7.18	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,1.7.19	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.7.20	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,1.7.21	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.7.22	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.7.23	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.7.24	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.7.25	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.7.26	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,1.7.27	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.7.28	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,1.7.29	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.7.30	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,1.7.31	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,1.7.32	string box SB 2,3.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.1.7	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																										MAX. VOLTAGE DROP	3.19%	

SB2.3.2.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,2.1.1	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.1.2	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.1.3	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.1.4	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.1.5	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.1.6	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.1.7	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.1.8	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.1.9	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.1.10	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.1.11	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.1.12	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.1.13	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.1.14	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.1.15	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.1.16	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.1.17	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.1.18	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.1.19	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.1.20	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.1.21	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.1.22	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.1.23	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.1.24	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.1.25	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.1.26	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.1.27	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.1.28	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.1.29	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.1.30	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.1.31	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.1.32	string box SB 2,3.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.2.1	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.3.2.2.

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,2.2.1	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.2.2	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.2.3	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.2.4	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.2.5	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.2.6	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.2.7	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.2.8	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.2.9	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.2.10	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.2.11	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.2.12	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.2.13	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.2.14	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.2.15	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.2.16	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.2.17	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.2.18	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.2.19	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.2.20	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.2.21	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.2.22	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.2.23	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.2.24	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.2.25	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.2.26	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.2.27	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.2.28	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.2.29	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.2.30	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.2.31	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.2.32	string box SB 2,3.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.2.2	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.3.2.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,2.3.1	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.3.2	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.3.3	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.3.4	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.3.5	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.3.6	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.3.7	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.3.8	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.3.9	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.3.10	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.3.11	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.3.12	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.3.13	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.3.14	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.3.15	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.3.16	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.3.17	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.3.18	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.3.19	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.3.20	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.3.21	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.3.22	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.3.23	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.3.24	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.3.25	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.3.26	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.3.27	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.3.28	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.3.29	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.3.30	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.3.31	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.3.32	string box SB 2,3.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.2.3	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB2.3.2.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,2.4.1	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.4.2	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.4.3	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.4.4	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.4.5	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.4.6	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.4.7	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.4.8	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.4.9	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.4.10	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.4.11	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.4.12	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.4.13	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.4.14	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.4.15	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.4.16	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.4.17	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.4.18	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.4.19	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.4.20	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.4.21	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.4.22	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.4.23	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.4.24	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.4.25	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.4.26	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.4.27	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.4.28	string box SB 2,3.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 2,3.2.4	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																								MAX. VOLTAGE DROP		3.53%	

SB2.3.2.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,2.5.1	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.5.2	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.5.3	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.5.4	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.5.5	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.5.6	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.5.7	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.5.8	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.5.9	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.5.10	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.5.11	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.5.12	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.5.13	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.5.14	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.5.15	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.5.16	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.5.17	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.5.18	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.5.19	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.5.20	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.5.21	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.5.22	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.5.23	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.5.24	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.5.25	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.5.26	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3,2.5.27	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.5.28	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3,2.5.29	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.5.30	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.5.31	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3,2.5.32	string box SB 2,3.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.2.5	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.3.2.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3,2.6.1	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.6.2	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3,2.6.3	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.6.4	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.6.5	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.6.6	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.6.7	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.6.8	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.6.9	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.6.10	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3,2.6.11	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.6.12	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3,2.6.13	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.6.14	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3,2.6.15	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.6.16	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3,2.6.17	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.6.18	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3,2.6.19	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.6.20	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3,2.6.21	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3,2.6.22	string box SB 2,3.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 2,3.1.6	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB2.3.2.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.3.2.7.1	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3.2.7.2	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.3.2.7.3	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3.2.7.4	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3.2.7.5	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3.2.7.6	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3.2.7.7	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3.2.7.8	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3.2.7.9	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3.2.7.10	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.3.2.7.11	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3.2.7.12	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.3.2.7.13	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3.2.7.14	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.3.2.7.15	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3.2.7.16	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.3.2.7.17	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3.2.7.18	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.3.2.7.19	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3.2.7.20	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.3.2.7.21	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3.2.7.22	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3.2.7.23	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3.2.7.24	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3.2.7.25	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3.2.7.26	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.3.2.7.27	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3.2.7.28	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.3.2.7.29	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3.2.7.30	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.3.2.7.31	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.3.2.7.32	string box SB 2,3.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,3.1.7	Power station PS 3	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
13.515	8870.4	0.15%	0.60%	OK	82.721	0.93%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS4 SB2.4.1.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.1.1.1	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.1.1.2	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.1.1.3	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.1.4	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.1.5	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.1.6	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.1.7	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.1.8	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.1.9	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.1.1.10	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.1.1.11	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.1.12	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.1.13	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.1.14	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.1.15	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.1.16	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.1.17	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.1.1.18	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.1.1.19	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.1.1.20	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.1.1.21	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.1.22	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.1.23	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.1.24	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.1.25	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.1.1.26	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.1.1.27	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.1.1.28	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.1.1.29	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.1.30	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.1.31	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.1.32	string box SB 2,4.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.1.1	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.1.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.1.2.1	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.1.2	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.1.3	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.4	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.5	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.6	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.7	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.8	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.9	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.1.10	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.1.11	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.12	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.13	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.14	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.15	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.16	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.2.17	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.1.2.18	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.1.2.19	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.1.2.20	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.1.2.21	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.2.22	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.2.23	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.2.24	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.2.25	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.1.2.26	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.1.2.27	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.1.2.28	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.1.2.29	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.2.30	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.2.31	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.2.32	string box SB2.4.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB2.4.1.2	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.1.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.1.3.1	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.1.3.2	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.1.3.3	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.3.4	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.3.5	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.3.6	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.3.7	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.3.8	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.3.9	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.1.3.10	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.1.3.11	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.3.12	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.1.3.13	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.3.14	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.1.3.15	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.3.16	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.1.3.17	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.1.3.18	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.1.3.19	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.1.3.20	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.1.3.21	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.3.22	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.3.23	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.3.24	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.3.25	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.1.3.26	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.1.3.27	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.1.3.28	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.1.3.29	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.3.30	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.1.3.31	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.1.3.32	string box SB2.4.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB2.4.1.3	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.1.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4,1.4.1	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.4.2	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.4.3	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.4.4	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.4.5	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.4.6	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.4.7	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.4.8	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.4.9	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.4.10	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.4.11	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.4.12	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.4.13	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.4.14	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.4.15	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.4.16	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.4.17	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.4.18	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.4.19	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.4.20	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.4.21	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.4.22	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.4.23	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.4.24	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.4.25	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,1.4.26	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,1.4.27	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,1.4.28	string box SB 2,4.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 2,4.1.4	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																								MAX. VOLTAGE DROP		3.53%	

SB2.4.1.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4,1.5.1	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.5.2	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.5.3	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.5.4	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.5.5	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.5.6	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.5.7	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.5.8	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.5.9	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.5.10	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.5.11	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.5.12	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.5.13	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.5.14	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.5.15	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.5.16	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.5.17	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.5.18	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.5.19	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.5.20	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.5.21	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.5.22	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.5.23	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.5.24	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.5.25	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,1.5.26	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,1.5.27	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,1.5.28	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,1.5.29	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.5.30	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.5.31	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.5.32	string box SB 2,4.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.1.5	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB2.4.1.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4,1.6.1	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.6.2	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.6.3	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.6.4	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.6.5	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.6.6	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.6.7	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.6.8	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.6.9	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.6.10	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.6.11	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.6.12	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.6.13	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.6.14	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.6.15	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.6.16	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.6.17	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.6.18	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.6.19	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.6.20	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.6.21	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.6.22	string box SB 2,4.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 2,4.1.6	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB2.4.1.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4,1.7.1	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.7.2	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,1.7.3	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.7.4	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.7.5	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.7.6	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.7.7	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.7.8	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.7.9	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.7.10	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,1.7.11	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.7.12	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,1.7.13	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.7.14	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,1.7.15	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.7.16	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,1.7.17	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.7.18	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,1.7.19	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.7.20	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,1.7.21	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.7.22	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.7.23	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.7.24	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.7.25	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,1.7.26	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,1.7.27	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,1.7.28	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,1.7.29	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.7.30	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,1.7.31	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,1.7.32	string box SB 2,4.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.1.7	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.2.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4,2.1.1	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,2.1.2	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,2.1.3	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.1.4	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.1.5	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.1.6	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.1.7	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.1.8	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.1.9	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,2.1.10	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,2.1.11	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.1.12	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.1.13	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.1.14	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.1.15	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.1.16	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.1.17	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,2.1.18	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,2.1.19	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,2.1.20	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,2.1.21	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.1.22	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.1.23	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,2.1.24	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,2.1.25	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,2.1.26	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,2.1.27	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,2.1.28	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,2.1.29	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.1.30	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.1.31	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,2.1.32	string box SB 2,4.2.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.2.1	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.2.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4,2.2.1	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,2.2.2	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4,2.2.3	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.2.4	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.2.5	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.2.6	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.2.7	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.2.8	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.2.9	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,2.2.10	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4,2.2.11	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.2.12	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4,2.2.13	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.2.14	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4,2.2.15	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.2.16	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4,2.2.17	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,2.2.18	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4,2.2.19	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,2.2.20	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4,2.2.21	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.2.22	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.2.23	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,2.2.24	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,2.2.25	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,2.2.26	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4,2.2.27	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,2.2.28	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4,2.2.29	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.2.30	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4,2.2.31	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4,2.2.32	string box SB 2,4.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.2.2	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.2.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.2.3.1	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.3.2	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.3.3	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.3.4	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.3.5	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.3.6	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.3.7	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.3.8	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.3.9	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.3.10	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.3.11	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.3.12	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.3.13	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.3.14	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.3.15	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.3.16	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.3.17	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.3.18	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.3.19	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.3.20	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.3.21	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.3.22	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.3.23	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.3.24	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.3.25	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.3.26	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.3.27	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.2.3.28	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.2.3.29	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.3.30	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.3.31	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.3.32	string box SB 2,4.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.2.3	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.2.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.2.4.1	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.4.2	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.4.3	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.4.4	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.4.5	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.4.6	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.4.7	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.4.8	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.4.9	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.4.10	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.4.11	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.4.12	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.4.13	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.4.14	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.4.15	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.4.16	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.4.17	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.4.18	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.4.19	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.4.20	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.4.21	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.4.22	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.4.23	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.4.24	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.4.25	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.4.26	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.4.27	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.2.4.28	string box SB 2,4.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 2,4.2.4	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB2.4.2.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.2.5.1	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.5.2	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.5.3	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.5.4	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.5.5	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.5.6	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.5.7	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.5.8	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.5.9	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.5.10	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.5.11	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.5.12	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.5.13	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.5.14	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.5.15	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.5.16	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.5.17	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.5.18	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.5.19	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.5.20	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.5.21	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.5.22	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.5.23	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.5.24	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.5.25	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.5.26	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.5.27	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.2.5.28	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.2.5.29	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.5.30	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.5.31	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.5.32	string box SB 2,4.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.2.5	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB2.4.2.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.2.6.1	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.6.2	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.6.3	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.6.4	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.6.5	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.6.6	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.6.7	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.6.8	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.6.9	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.6.10	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.6.11	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.6.12	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.6.13	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.6.14	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.6.15	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.6.16	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.6.17	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.6.18	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.6.19	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.6.20	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.6.21	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.6.22	string box SB 2,4.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 2,4.1.6	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB2.4.2.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 2.4.2.7.1	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.7.2	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 2.4.2.7.3	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.7.4	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.7.5	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.7.6	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.7.7	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.7.8	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.7.9	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.7.10	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 2.4.2.7.11	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.7.12	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 2.4.2.7.13	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.7.14	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 2.4.2.7.15	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.7.16	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 2.4.2.7.17	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.7.18	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 2.4.2.7.19	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.7.20	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 2.4.2.7.21	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.7.22	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.7.23	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.7.24	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.7.25	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.7.26	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 2.4.2.7.27	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.2.7.28	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 2.4.2.7.29	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.7.30	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 2.4.2.7.31	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 2.4.2.7.32	string box SB 2,4.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 2,4.1.7	Power station PS 4	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
13.515	8870.4	0.15%	0.60%	OK	82.721	0.93%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS5 SB3.5.1.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.1.1	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.1.2	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.1.3	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.4	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.5	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.6	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.7	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.8	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.9	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.1.10	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.1.11	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.12	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.13	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.14	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.15	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.16	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.17	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.1.18	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.1.19	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.1.20	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.1.21	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.22	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.23	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.1.24	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.1.25	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.1.26	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.1.27	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.1.28	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.1.29	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.30	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.31	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.1.32	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.1	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.1.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.2.1	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.2.2	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.2.3	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.4	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.5	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.6	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.7	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.8	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.9	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.2.10	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.2.11	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.12	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.13	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.14	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.15	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.16	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.17	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.2.18	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.2.19	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.2.20	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.2.21	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.2.22	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.2.23	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.2.24	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.2.25	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.2.26	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.2.27	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.2.28	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.2.29	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.2.30	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.2.31	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.2.32	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.2	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.1.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.3.1	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.3.2	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.3.3	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.4	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.5	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.6	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.7	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.8	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.9	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.3.10	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.3.11	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.12	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.13	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.14	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.15	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.16	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.17	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.3.18	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.3.19	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.3.20	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.3.21	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.22	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.23	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.3.24	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.3.25	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.3.26	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.3.27	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.3.28	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.3.29	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.30	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.31	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.3.32	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.3	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.1.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5.1.4.1	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5.1.4.2	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5.1.4.3	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.4.4	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.4.5	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.4.6	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.4.7	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.4.8	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.4.9	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5.1.4.10	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5.1.4.11	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.4.12	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.4.13	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.4.14	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.4.15	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.4.16	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.4.17	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5.1.4.18	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5.1.4.19	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5.1.4.20	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5.1.4.21	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.1.4.22	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.1.4.23	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.1.4.24	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.1.4.25	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5.1.4.26	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5.1.4.27	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5.1.4.28	string box SB3.5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB3.5.1.4	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB3.5.1.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5.1.5.1	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5.1.5.2	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5.1.5.3	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.5.4	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.5.5	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.5.6	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.5.7	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.5.8	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.5.9	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5.1.5.10	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5.1.5.11	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.5.12	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.1.5.13	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.5.14	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.1.5.15	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.5.16	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.1.5.17	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5.1.5.18	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5.1.5.19	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5.1.5.20	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5.1.5.21	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.1.5.22	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.1.5.23	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.1.5.24	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.1.5.25	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5.1.5.26	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5.1.5.27	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5.1.5.28	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5.1.5.29	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.1.5.30	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.1.5.31	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.1.5.32	string box SB3.5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB3.5.1.5	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.1.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.6.1	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.6.2	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.6.3	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.4	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.5	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.6	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.7	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.8	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.9	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.6.10	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.6.11	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.12	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.13	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.14	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.15	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.16	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.17	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.6.18	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.6.19	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.6.20	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.6.21	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.6.22	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 3,5.1.6	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB3.5.1.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.7.1	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.7.2	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.7.3	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.4	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.5	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.6	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.7	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.8	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.9	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.7.10	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.7.11	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.12	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.13	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.14	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.15	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.16	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.17	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.7.18	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.7.19	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.7.20	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.7.21	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.22	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.23	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.7.24	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.7.25	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.7.26	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.7.27	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.7.28	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.7.29	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.30	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.31	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.7.32	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.7	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.2.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,2.1.1	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.1.2	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.1.3	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.1.4	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.1.5	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.1.6	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.1.7	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.1.8	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.1.9	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.1.10	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.1.11	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.1.12	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.1.13	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.1.14	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.1.15	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.1.16	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.1.17	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.1.18	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.1.19	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.1.20	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.1.21	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.1.22	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.1.23	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.1.24	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.1.25	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.1.26	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.1.27	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.1.28	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.1.29	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.1.30	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.1.31	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.1.32	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.2.1	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.2.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,2.2.1	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.2.2	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.2.3	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.2.4	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.2.5	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.2.6	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.2.7	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.2.8	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.2.9	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.2.10	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.2.11	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.2.12	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.2.13	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.2.14	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.2.15	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.2.16	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.2.17	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.2.18	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.2.19	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.2.20	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.2.21	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.2.22	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.2.23	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.2.24	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.2.25	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.2.26	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.2.27	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.2.28	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.2.29	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.2.30	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.2.31	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.2.32	string box SB 3,5.2.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.2.2	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.2.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,2.3.1	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.3.2	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.3.3	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.3.4	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.3.5	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.3.6	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.3.7	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.3.8	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.3.9	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.3.10	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.3.11	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.3.12	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.3.13	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.3.14	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.3.15	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.3.16	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.3.17	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.3.18	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.3.19	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.3.20	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.3.21	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.3.22	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.3.23	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.3.24	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.3.25	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.3.26	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.3.27	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.3.28	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.3.29	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.3.30	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.3.31	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.3.32	string box SB 3,5.2.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.2.3	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.2.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,2.4.1	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.4.2	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.4.3	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.4.4	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.4.5	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.4.6	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.4.7	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.4.8	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.4.9	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.4.10	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.4.11	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.4.12	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.4.13	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.4.14	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.4.15	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.4.16	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.4.17	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.4.18	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.4.19	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.4.20	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.4.21	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.4.22	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.4.23	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.4.24	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.4.25	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.4.26	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.4.27	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.4.28	string box SB 3,5.2.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 3,5.2.4	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB3.5.2.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,2.5.1	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.5.2	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.5.3	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.5.4	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.5.5	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.5.6	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.5.7	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.5.8	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.5.9	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.5.10	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.5.11	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.5.12	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.5.13	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.5.14	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.5.15	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.5.16	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.5.17	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.5.18	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.5.19	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.5.20	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.5.21	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.5.22	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.5.23	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.5.24	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.5.25	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.5.26	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,2.5.27	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.5.28	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,2.5.29	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.5.30	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.5.31	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,2.5.32	string box SB 3,5.2.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.2.5	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.2.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,2.6.1	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.6.2	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,2.6.3	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.6.4	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.6.5	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.6.6	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.6.7	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.6.8	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.6.9	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.6.10	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,2.6.11	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.6.12	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,2.6.13	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.6.14	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,2.6.15	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.6.16	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,2.6.17	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.6.18	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,2.6.19	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.6.20	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,2.6.21	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,2.6.22	string box SB 3,5.2.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 3,5.1.6	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB3.5.2.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5.2.7.1	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5.2.7.2	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5.2.7.3	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.2.7.4	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.2.7.5	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.2.7.6	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.2.7.7	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.2.7.8	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.2.7.9	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5.2.7.10	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5.2.7.11	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.2.7.12	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5.2.7.13	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.2.7.14	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5.2.7.15	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.2.7.16	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5.2.7.17	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5.2.7.18	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5.2.7.19	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5.2.7.20	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5.2.7.21	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.2.7.22	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.2.7.23	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.2.7.24	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.2.7.25	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5.2.7.26	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5.2.7.27	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5.2.7.28	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5.2.7.29	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.2.7.30	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5.2.7.31	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5.2.7.32	string box SB 3.5.2.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3.5.1.7	Power station PS 5	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
13.515	8870.4	0.15%	0.60%	OK	82.721	0.93%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS5.1 SB3.5.1.1.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.1.1	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.1.2	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.1.3	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.4	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.5	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.6	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.7	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.8	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.9	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.1.10	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.1.11	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.12	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.1.13	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.14	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.1.15	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.16	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.1.17	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.1.18	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.1.19	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.1.20	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.1.21	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.22	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.23	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.1.24	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.1.25	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.1.26	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.1.27	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.1.28	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.1.29	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.30	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.1.31	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.1.32	string box SB 3,5.1.1	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.1	Power station PS 5.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.1.1.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.2.1	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.2.2	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.2.3	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.4	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.5	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.6	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.7	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.8	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.9	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.2.10	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.2.11	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.12	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.2.13	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.14	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.2.15	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.16	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.2.17	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.2.18	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.2.19	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.2.20	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.2.21	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.2.22	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.2.23	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.2.24	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.2.25	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.2.26	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.2.27	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.2.28	string box SB 3,5.1.2	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string box SB 3,5.1.2	Power station PS 5.1	ARG16R	ALUMINIUM	2x 1 x 500	389	427.9	855.8	500	0.0605	0.08	0.08	1500	1362	OK	Ground	619		619	482.72	20	EPR	6	25	554.624	OK	3.03%	6.032
																									MAX. VOLTAGE DROP	3.53%	

SB3.5.1.1.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.3.1	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.3.2	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.3.3	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.4	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.5	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.6	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.7	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.8	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.9	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.3.10	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.3.11	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.12	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.3.13	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.14	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.3.15	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.16	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.3.17	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.3.18	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.3.19	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.3.20	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.3.21	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.22	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.23	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.3.24	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.3.25	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.3.26	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.3.27	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.3.28	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.3.29	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.30	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.3.31	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.3.32	string box SB 3,5.1.3	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.3	Power station PS 5.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																									MAX. VOLTAGE DROP	3.19%	

SB3.5.1.1.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.4.1	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.4.2	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.4.3	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.4.4	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.4.5	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.4.6	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.4.7	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.4.8	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.4.9	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.4.10	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.4.11	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.4.12	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.4.13	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.4.14	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.4.15	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.4.16	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.4.17	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.4.18	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.4.19	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.4.20	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.4.21	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.4.22	string box SB 3,5.1.4	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string box SB 3,5.1.4	Power station PS 5.1	ARG16R	ALUMINIUM	2x 1 x 400	389	427.9	855.8	400	0.0778	0.11	0.10	1500	1362	OK	Ground	549		549	379.28	20	EPR	6	25	491.904	OK	3.06%	4.789
																									MAX. VOLTAGE DROP	3.57%	

SB3.5.1.1.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.5.1	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.5.2	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.5.3	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.5.4	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.5.5	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.5.6	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.5.7	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.5.8	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.5.9	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.5.10	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.5.11	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.5.12	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.5.13	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.5.14	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.5.15	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.5.16	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.5.17	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.5.18	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.5.19	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.5.20	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.5.21	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.5.22	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.5.23	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.5.24	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.5.25	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.5.26	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.5.27	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.5.28	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.5.29	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.5.30	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.5.31	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.5.32	string box SB 3,5.1.5	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.5	Power station PS 5.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB3.5.1.1.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.6.1	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.6.2	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.6.3	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.4	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.5	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.6	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.7	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.8	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.9	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.6.10	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.6.11	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.12	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.6.13	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.14	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.6.15	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.16	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.6.17	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.6.18	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.6.19	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.6.20	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.6.21	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.6.22	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.6.23	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.6.24	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.6.25	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.6.26	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.6.27	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.6.28	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.6.29	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.6.30	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.6.31	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.6.32	string box SB 3,5.1.6	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.6	Power station PS 5.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

SB3.5.1.1.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 3.5,1.7.1	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.7.2	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 3.5,1.7.3	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.4	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.5	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.6	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.7	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.8	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.9	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.7.10	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 3.5,1.7.11	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.12	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 3.5,1.7.13	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.14	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 3.5,1.7.15	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.16	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 3.5,1.7.17	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.7.18	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	61.2	67.32	134.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.55%	0.039
string 3.5,1.7.19	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.7.20	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	70.2	77.22	154.44	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.40%	0.028
string 3.5,1.7.21	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.22	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.23	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.7.24	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.7.25	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.7.26	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	97.2	106.92	213.84	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.55%	0.039
string 3.5,1.7.27	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.7.28	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 10	70.2	77.22	154.44	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.63%	0.045
string 3.5,1.7.29	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.30	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	79.2	87.12	174.24	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.45%	0.032
string 3.5,1.7.31	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string 3.5,1.7.32	string box SB 3,5.1.7	H1Z2Z2	TINNED COPPER	2x 1 x 16	88.2	97.02	194.04	16	1.24	1.73	1.58	1800	1362	OK	Air		130	130	17.24	20	EPR	6	In contact	65	OK	0.50%	0.036
string box SB 3,5.1.7	Power station PS 5.1	ARG16R	ALUMINIUM	2x 1 x 630	389	427.9	855.8	630	0.0469	0.07	0.06	1500	1362	OK	Ground	693		693	551.68	20	EPR	6	25	620.928	OK	2.68%	6.108
																								MAX. VOLTAGE DROP		3.19%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
6.758	8870.4	0.08%	0.60%	OK	41.361	0.47%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS6 I6.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.6,1.1	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,1.2	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,1.3	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,1.4	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,1.5	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,1.6	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,1.7	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,1.8	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,1.9	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,1.10	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,1.11	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,1.12	inverter I6,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I6,1	Power station PS 6	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I6.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.6,2.1	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,2.2	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,2.3	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,2.4	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,2.5	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,2.6	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,2.7	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,2.8	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,2.9	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,2.10	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,2.11	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,2.12	inverter I6,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I6,2	Power station PS 6	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I6.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.6,3.1	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,3.2	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,3.3	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,3.4	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,3.5	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,3.6	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,3.7	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,3.8	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,3.9	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,3.10	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,3.11	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,3.12	inverter I6,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I1,1.1	Power station PS 6	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I6.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.6.4.1	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6.4.2	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6.4.3	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6.4.4	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6.4.5	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6.4.6	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6.4.7	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6.4.8	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6.4.9	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6.4.10	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6.4.11	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6.4.12	inverter I6,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I6 4.1	Power station PS 6	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I6.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.6,5 1	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,5 2	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.6,5 3	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,5 4	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,5 5	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,5 6	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,5 7	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,5 8	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.6,5 9	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,5 10	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.6,5 11	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,5 12	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.6,5 13	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.6,5 14	inverter I6,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
inverter I6,5	Power station PS 6	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	241.36	20	EPR	6	25	370.048	OK	3.13%	3.116
																									MAX. VOLTAGE DROP	3.63%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
1.823	8870.4	0.02%	0.60%	OK	12.273	0.14%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS7 I7.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7,1.1	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,1.2	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,1.3	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,1.4	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,1.5	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,1.6	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,1.7	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,1.8	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,1.9	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,1.10	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,1.11	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,1.12	inverter I7,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I7,1	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I7.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7,2.1	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,2.2	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,2.3	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,2.4	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,2.5	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,2.6	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,2.7	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,2.8	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,2.9	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,2.10	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,2.11	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,2.12	inverter I7,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I7,2	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I7.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7,3.1	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,3.2	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,3.3	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,3.4	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,3.5	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,3.6	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,3.7	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,3.8	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,3.9	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,3.10	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,3.11	inverter I7,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I7,1.1	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

I7.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7.4.1	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7.4.2	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7.4.3	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7.4.4	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7.4.5	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7.4.6	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7.4.7	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7.4.8	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7.4.9	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7.4.10	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7.4.11	inverter I7,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I7.4.1	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

I7.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7,5 1	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,5 2	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,5 3	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,5 4	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,5 5	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,5 6	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,5 7	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,5 8	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,5 9	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,5 10	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,5 11	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,5 12	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,5 13	inverter I7,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
inverter I7,5	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	224.12	20	EPR	6	25	370.048	OK	2.91%	2.687
																									MAX. VOLTAGE DROP	3.41%	

I7.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7,6 1	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,6 2	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,6 3	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,6 4	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,6 5	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,6 6	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,6 7	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,6 8	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,6 9	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,6 10	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,6 11	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,6 12	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,6 13	inverter I7,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
inverter I7,6	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	224.12	20	EPR	6	25	370.048	OK	2.91%	2.687
																									MAX. VOLTAGE DROP	3.41%	

I7.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7,7 1	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,7 2	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,7 3	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,7 4	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,7 5	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,7 6	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,7 7	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,7 8	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,7 9	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,7 10	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,7 11	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,7 12	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,7 13	inverter I7,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
inverter I7,7	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	224.12	20	EPR	6	25	370.048	OK	2.91%	2.687
																									MAX. VOLTAGE DROP	3.41%	

I7.8

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.7,8 1	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,8 2	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.7,8 3	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,8 4	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,8 5	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,8 6	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.7,8 7	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,8 8	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.7,8 9	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,8 10	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.7,8 11	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,8 12	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.7,8 13	inverter I7,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
inverter I7,8	Power station PS 7	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	224.12	20	EPR	6	25	370.048	OK	2.91%	2.687
																									MAX. VOLTAGE DROP	3.41%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
2.871	8870.4	0.03%	0.60%	OK	19.172	0.22%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS8 I8.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,1.1	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,1.2	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,1.3	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,1.4	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,1.5	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,1.6	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,1.7	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,1.8	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,1.9	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,1.10	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,1.11	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,1.12	inverter I8,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,1	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I8.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,2.1	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,2.2	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,2.3	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,2.4	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,2.5	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,2.6	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,2.7	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,2.8	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,2.9	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,2.10	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,2.11	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,2.12	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,2	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I8.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,3..1	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,3..2	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,3..3	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,3..4	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,3..5	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,3..6	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,3..7	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,3..8	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,3..9	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,3..10	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,3..11	inverter I8,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,3 11	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,3 12	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,2	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I8.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8.4.1	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8.4.2	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8.4.3	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8.4.4	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8.4.5	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8.4.6	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8.4.7	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8.4.8	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8.4.9	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8.4.10	inverter I8,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8.4.11	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8.4.12	inverter I8,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,4	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I8.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,5 1	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,5 2	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,5 3	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,5 4	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,5 5	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,5 6	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,5 7	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,5 8	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,5 9	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,5 10	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,5 11	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,5 12	inverter I8,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,5	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I8.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,6 1	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,6 2	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,6 3	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,6 4	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,6 5	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,6 6	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,6 7	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,6 8	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,6 9	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,6 10	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,6 11	inverter I8,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,6	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

I8.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,7 1	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,7 2	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,7 3	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,7 4	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,7 5	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,7 6	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,7 7	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,7 8	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,7 9	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,7 10	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,7 11	inverter I8,7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,7	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

I8.8

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,8 1	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,8 2	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,8 3	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,8 4	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,8 5	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,8 6	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,8 7	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,8 8	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,8 9	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,8 10	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,8 11	inverter I8,8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,8	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

I8.9

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.8,9 1	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,9 2	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.8,9 3	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,9 4	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.8,9 5	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,9 6	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.8,9 7	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,9 8	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.8,9 9	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,9 10	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.8,9 11	inverter I8,9	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I8,9	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
3.096	8870.4	0.03%	0.60%	OK	19.141	0.22%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS9

I9.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.9,1.1	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,1.2	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,1.3	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,1.4	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,1.5	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,1.6	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,1.7	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,1.8	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,1.9	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,1.10	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,1.11	inverter I9,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I9,1	Power station PS 9	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	**2.96%**	

I9.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.9,2.1	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,2.2	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,2.3	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,2.4	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,2.5	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,2.6	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,2.7	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,2.8	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,2.9	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,2.10	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,2.11	inverter I9,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I9,2	Power station PS 9	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	**2.96%**	

I9.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.9,3..1	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,3..2	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,3..3	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,3..4	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,3..5	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,3..6	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,3..7	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,3..8	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,3..9	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,3..10	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,3..11	inverter I9,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I9,3	Power station PS 9	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																								MAX. VOLTAGE DROP		2.96%	

I9.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.9.4.1	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9.4.2	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9.4.3	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9.4.4	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9.4.5	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9.4.6	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9.4.7	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9.4.8	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9.4.9	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9.4.10	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9.4.11	inverter I9,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I9 4.1	Power station PS 9	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																								MAX. VOLTAGE DROP		2.96%	

I9.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.9,5 1	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,5 2	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,5 3	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,5 4	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,5 5	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,5 6	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,5 7	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,5 8	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,5 9	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,5 10	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,5 11	inverter I9,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I9,5	Power station PS 9	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																								MAX. VOLTAGE DROP		2.96%	

I9.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.9,6 1	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,6 2	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.9,6 3	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,6 4	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.9,6 5	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,6 6	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.9,6 7	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,6 8	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.9,6 9	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,6 10	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.9,6 11	inverter I9,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I9,6	Power station PS 9	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																								MAX. VOLTAGE DROP		2.96%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
1.934	8870.4	0.02%	0.60%	OK	11.542	0.13%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Tiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

PS10 I10.1

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.10,1.1	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,1.2	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,1.3	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,1.4	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,1.5	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,1.6	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,1.7	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,1.8	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,1.9	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,1.10	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,1.11	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,1.12	inverter I10,1	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I10,1	Power station PS10	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I10.2

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.10,2.1	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,2.2	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,2.3	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,2.4	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,2.5	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,2.6	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,2.7	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,2.8	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,2.9	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,2.10	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,2.11	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,2.12	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I10,2	Power station PS10	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I10.3

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.10,3.1	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,3.2	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,3.3	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,3.4	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,3.5	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,3.6	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,3.7	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,3.8	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,3.9	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,3.10	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,3.11	inverter I10,3	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,3.11	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,3.12	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I10,2	Power station PS10	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I10.4

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.10.4.1	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10.4.2	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10.4.3	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10.4.4	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10.4.5	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10.4.6	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10.4.7	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10.4.8	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10.4.9	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10.4.10	inverter I10,4	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,4.11	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,4.12	inverter I10,2	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I10,4	Power station PS 10	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	206.88	20	EPR	6	25	370.048	OK	2.68%	2.289
																									MAX. VOLTAGE DROP	3.19%	

I10.5

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.10,5.1	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,5.2	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,5.3	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,5.4	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,5.5	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,5.6	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,5.7	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,5.8	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,5.9	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,5.10	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,5.11	inverter I10,5	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I10,5	Power station PS 8	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

I10.6

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4.10,6.1	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,6.2	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4.10,6.3	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,6.4	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4.10,6.5	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,6.6	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4.10,6.7	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,6.8	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4.10,6.9	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,6.10	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4.10,6.11	inverter I10,6	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I10,6	Power station PS 10	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																									MAX. VOLTAGE DROP	2.96%	

I10.7

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4 . 10 , 7 1	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4 . 10 , 7 2	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4 . 10 , 7 3	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4 . 10 , 7 4	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4 . 10 , 7 5	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4 . 10 , 7 6	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4 . 10 , 7 7	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4 . 10 , 7 8	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4 . 10 , 7 9	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4 . 10 , 7 10	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4 . 10 , 7 11	inverter I 10 , 7	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I 10 , 7	Power station PS 10	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																								MAX. VOLTAGE DROP		2.96%	

I10.8

From	To	Cable code	Type of cable	Formation	Lenght (1 polarity) [m]	Lenght +10% (1 polarity) [m]	Total cables lenght [m]	Section [mm²]	Electrical DC resistance at 20 °C [Ohm/Km]	Electrical DC resistance at 120 °C [Ohm/Km]	Electrical DC resistance at 90 °C [Ohm/Km]	Insulation voltage [V]	Voc string [V]	Voltage test	Laying method	Current carrying capacity at 20°C in ground with duct (1 Cable) for DC cable Iz[A]	Current carrying capacity at 60 °C in air (1 cable) for DC cable Iz [A]	Current carrying capacity [A]	Ib (A)	Enviroment Temp. [°C]	Insulating	Number of circuit	Distance	Iz' [A]	Current test	Voltage drop	Losses [kW]
string 4 . 10 , 8 1	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4 . 10 , 8 2	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 6	20.2	22.22	44.44	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.31%	0.022
string 4 . 10 , 8 3	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4 . 10 , 8 4	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
string 4 . 10 , 8 5	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4 . 10 , 8 6	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 10	38.2	42.02	84.04	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.34%	0.024
string 4 . 10 , 8 7	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4 . 10 , 8 8	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 10	47.2	51.92	103.84	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.42%	0.030
string 4 . 10 , 8 9	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4 . 10 , 8 10	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 10	56.2	61.82	123.64	10	1.95	2.72	2.49	1800	1362	OK	Air		95	95	17.24	20	EPR	6	In contact	47.5	OK	0.50%	0.036
string 4 . 10 , 8 11	inverter I 10 , 8	H1Z2Z2	TINNED COPPER	2x 1 x 6	29.2	32.12	64.24	6	3.39	4.72	4.32	1800	1362	OK	Air		70	70	17.24	20	EPR	6	In contact	35	OK	0.46%	0.032
inverter I 10 , 8	Power station PS 10	ARG16R	ALUMINIUM	2x 1 x 240	389	427.9	855.8	240	0.125	0.17	0.16	1500	1362	OK	Ground	413		413	189.64	20	EPR	6	25	370.048	OK	2.46%	1.924
																								MAX. VOLTAGE DROP		2.96%	

Total Losses (Segment between string boxes and PV strings) [kW]	Producted DC Power [kW]	Percentage of total losses	Losses admitted	Losses Test	Total Losses (Segment between inverter input and string boxes) [kW]	Percentage of total losses	Losses admitted	Losses Test
2.741	8870.4	0.03%	0.60%	OK	16.851	0.19%	2.00%	OK

Module	P [Wp]	Immp [A]	Isc [A]	Vmpp [V]	Voc [V]	Vi [V]	Modules per string
Hiku 7 Mono CS7N-660	660	17.24	18.47	38.3	45.4	1500	30

MAXIMUM ADMISSIBLE VOLTAGE DROP	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	1.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Voltage Drop	**1.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.65%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	1.25%
DC side – Total Voltage Drop	**2.00%*** **

*For each MV feeder, the sum of voltage drop in each MV line (between substation and PCUs) shall be max 1.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***For each possible path from inverter to PV string, the total voltage drop shall be max 2.00%

MAXIMUM ADMISSIBLE POWER LOSSES	
Segment between the HV/MV substation (or MV Point of Delivery) and the MV Panel of any PCU	0.40%*
Segment between the MV Panel of any PCU and the MV/LV transformer	0.00%
Segment between the MV/LV transformer and the inverter output	0.10%**
AC side – Total Losses	**0.50%**
Segment between the inverter input and the combiner boxes (if any)	0.10%
Segment between the combiner boxes (if any) and the string boxes	0.30%
Segment between the string boxes and the PV strings (including pre-parallel boxes)	0.60%
DC side – Total Losses	**1.00%*** **

*Summing all the power losses [W] in each MV line and dividing by the total AC power [MW] of the PV plant, the result shall be max 0.40%

**The segment between the MV/LV transformer and the inverter output is under the responsibility of PCU supplier

***Summing all the power losses (W) in each DC line and dividing by the total DC power @ STC [MWp] of the PV plant, the result shall be max 1.00%.

5. DIMENSIONAMENTO CAVI MT

Si riporta di seguito il dimensionamento dei cavi in Media Tensione.

Dimensionamento linee MT

Pv Plant	From	To	Cable code	Type of cable	Formation				Lenght [m]	Lenght +10% [m]	Voltage [kV]	Power [kVA]	Ib [A]	Iz [A]	Equivalent Iz [A]	T[°C]	Number of circuits	Distance [cm]	Iz' [A]	Current test	Voltage drop	Voltage drop admited	Final test
CLUSTER 1	PS1.1	PS1	ARE4H5E	Single core in aluminium	3x	1	X	70	2	2	30	3409	65,61	213	213	20	1	20	208,74	OK	0,000%		
	PS1	PS2	ARE4H5E	Single core in aluminium	3x	1	X	150	548	603	30	10227	196,82	324	324	20	1	20	317,52	OK	0,202%		
	PS2	SSE Utente 150/30kV	ARE4H5E	Single core in aluminium	3x	2	X	630	6188,57	6807	30	17045	328,03	709	1418	20	4	20	1086,61	OK	1,136%		
																					1,338%	1,400%	OK
CLUSTER 2	PS4	PS3	ARE4H5E	Single core in aluminium	3x	1	X	95	864,62	951	30	6818	131,21	255	255	20	2	20	224,91	OK	0,311%		
	PS3	SSE Utente 150/30kV	ARE4H5E	Single core in aluminium	3x	1	X	630	5661,99	6228	30	13636	262,42	709	709	20	4	20	543,31	OK	1,035%		
																					1,345%	1,400%	OK
CLUSTER 3	PS5.1	PS5	ARE4H5E	Single core in aluminium	3x	1	X	70	2	2	30	3409	65,61	213	213	20	3	20	171,17	OK	0,000%		
	PS5	SSE Utente 150/30kV	ARE4H5E	Single core in aluminium	3x	1	X	95	541,44	596	30	10227	196,82	255	255	20	3	20	204,92	OK	0,292%		
																					0,292%	1,400%	OK
Linea	PS10	PS9	ARE4H5E	Single core in aluminium	3x	1	X	95	1337,67	1471	30	1600	30,79	255	255	20	5	20	189,92	OK	0,113%		
																					0,113%	1,400%	OK
CLUSTER 4	PS8	PS6	ARE4H5E	Single core in aluminium	3x	1	X	70	1275,78	1403	30	1800	34,64	213	213	20	5	20	158,64	OK	0,164%		
	PS6	PS7	ARE4H5E	Single core in aluminium	3x	1	X	70	754,65	830	30	2800	53,89	213	213	20	5	20	158,64	OK	0,151%		
	PS7	PS10-PS9	ARE4H5E	Single core in aluminium	3x	1	X	120	4979,27	5477	30	4400	84,68	291	291	20	5	20	216,74	OK	0,943%		
	PS10-PS9	SSE Utente 150/30kV	ARE4H5E	Single core in aluminium	3x	1	X	95	311,14	342	30	7200	138,56	255	255	20	5	20	189,92	OK	0,118%		
																					1,375%	1,400%	OK

6. CONCLUSIONI

Le tabelle di dimensionamento dei cavi DC tra string box e cavi PV, cavi AC tra ingresso inverter e string box, cavi MT mostrano cadute di tensione e livelli di perdite che rientrano nei limiti prescritti.

Il Tecnico

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