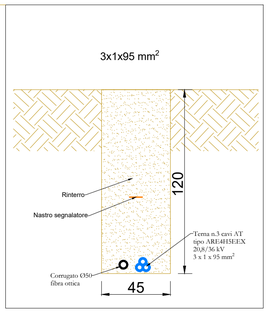
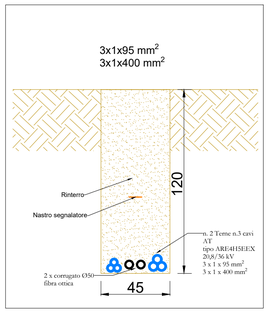
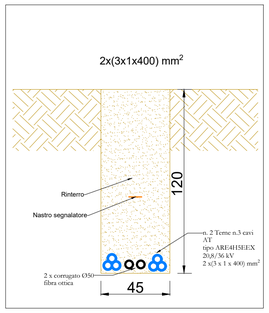
Sezione A-A



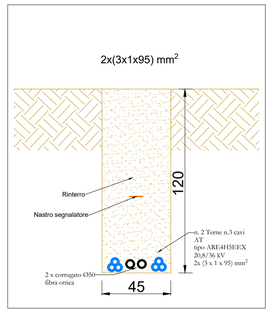
Sezione B-B



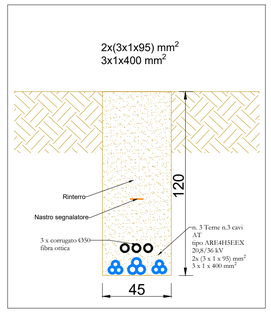
Sezione C-C



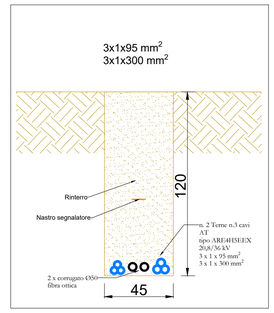
Sezione D-D



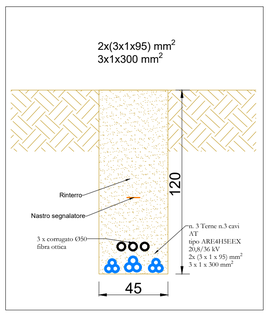
Sezione E-E



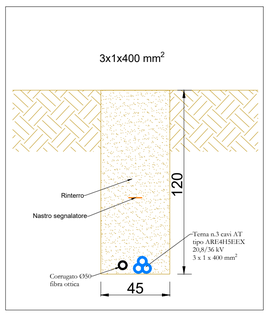
Sezione F-F



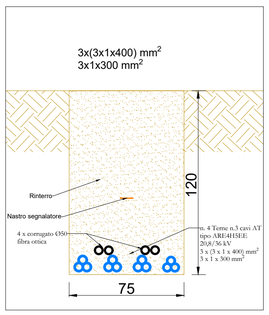
Sezione G-G



Sezione H-H



Sezione I-I



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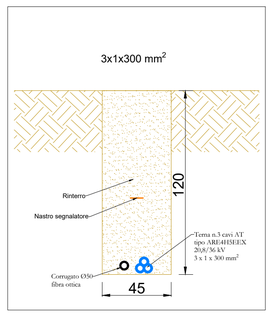

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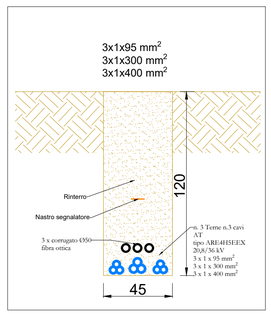
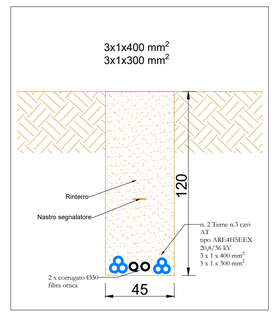


Sezione L-L



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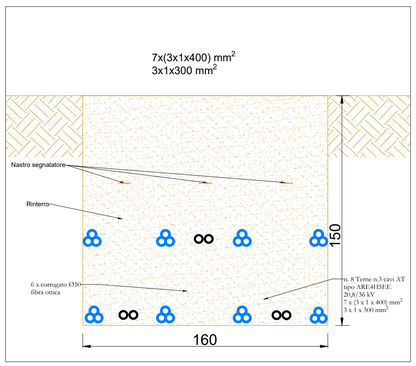
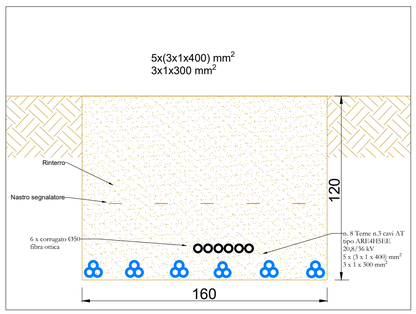
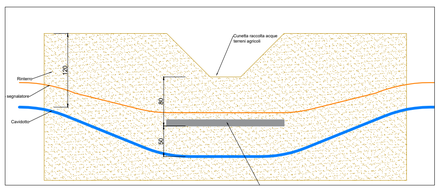
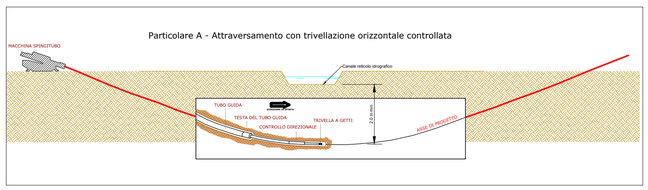


Sezione N-N







NOTA:

Per la posizione delle varie sezioni di cavidotti rappresentate vedasi:
"PRGDE_CAVT00700_00 - Planimetria su catastale - Cavidotto"

Nexans

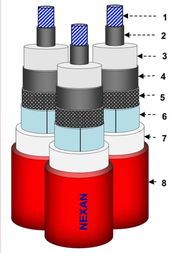
ARE4H5EEX
20,8/36 kV
3x1x... SK2

HIGH VOLTAGE CABLE

THREE SINGLE CORE CABLES IN TRIPLEX FORMATION WITH ALUMINIUM CONDUCTOR, REDUCED THICKNESS XLPE INSULATION, ALUMINIUM TAPE SCREEN AND DOUBLE PE SHEATH, SHOCK RESISTANT.

APPLICATIONS AND CHARACTERISTICS

In HV energy distribution networks for voltage systems **up to 42kV.**
Suitable for fixed installation indoor or outdoor laying in air or directly or indirectly buried, also in wet location.
SHOCK PROOF SK2 has a very good shock resistance characteristics.
The two special outer sheaths provide an excellent protection against impact and mechanical abuse during the lifetime of the cable.
Shock Proof SK2 cable performances has been evaluated against mechanical protection by the abrasion test and the impact test included in CEI 20-68 standard.
This type of cable can be directly buried without additional protections because it is comparable to an armoured cable.



FUNCTIONAL CHARACTERISTICS

Rated voltage U_o/U:	**20,8/36** kV
Maximum voltage U_m:	**42** kV
Test voltage:	**2,5** U_o
Max operating temperature of conductor:	**90** °C
Max short-circuit temperature:	**250** °C (for max 5 s)
Max short-circuit temperature (screen):	**150** °C

CONSTRUCTION

1. Conductor
stranded, compacted, round, ***aluminium*** *- class* ***2*** *acc. to IEC 60228*
2. Conductor screen
extruded semiconducting compound
3. Insulation
extruded cross-linked polyethylene (***XLPE****) compound*
4. Insulation screen
extruded semiconducting compound - ***fully bonded***
5. Longitudinal watertightness
semiconducting ***water blocking tape***
6. Metallic screen and radial water barrier
aluminium tape *longitudinally applied (nominal thickness = 0,20 mm)*
7. First sheath - 1
extruded ***PE*** *compound*
8. Second sheath - 2
extruded ***PE*** *compound - colour:* ***red***
with improved ***impact resistance***

Max pulling force during laying
50 N/mm² (applied on the conductors)
Min bending radius during laying
21 D_{phase} (dynamic condition)
Minimum temperature during laying
- 25 °C (cable temperature)

STANDARDS
IEC 60840 where applicable *(testing)*
Nexans Design
HD 620 where applicable *(materials)*
CEI 20-68 where applicable *(impact test)*

AREN Green S.r.l.
Sede legale e operativa: Via dell'Arrigoni, 308 - 47522 Cesena (FC), Italia
Codice Fiscale, P. IVA 04032170401

COMUNI DI VENOSA E MONTEMILONE (PZ)
LOCALITÀ "PIANO REGIO"

PROGETTO PER LA REALIZZAZIONE DI

IMPIANTO EOLICO
"PIANO REGIO"

REDAZIONE /PROGETTISTA:
Aren Electric Power Spa
Società per Azioni con Unico Socio
Via dell'Arrigoni 308 - 47522 Cesena (FC)
Ph. +39 0547 415245 - Fax +39 0547 415274
P.Iva 03803880404
Registro delle Imprese di Forlì Cesena R.E.A. 317048

TIMBRO E FIRMA PROGETTISTA:
Ing. Samuele Ulivi
Ordine degli Ingegneri di Forlì-Cesena
Matr. 2866

TITOLO ELABORATO:
Dettagli costruttivi cavidotto AT

CODICE ELABORATO:	FORMATO:	SCALA:	FASE:
PRGDE_CAVT00800_00	A1	Varie	PROGETTO DEFINITIVO

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
00	Prima emissione	28/02/2023	A.Lazar	L.Ensini	S.Ulivi
01					
02					
03					
04					

FILE: PRGDE_CAVT00800_00_Dettagli costruttivi cavidotto AT.dwg