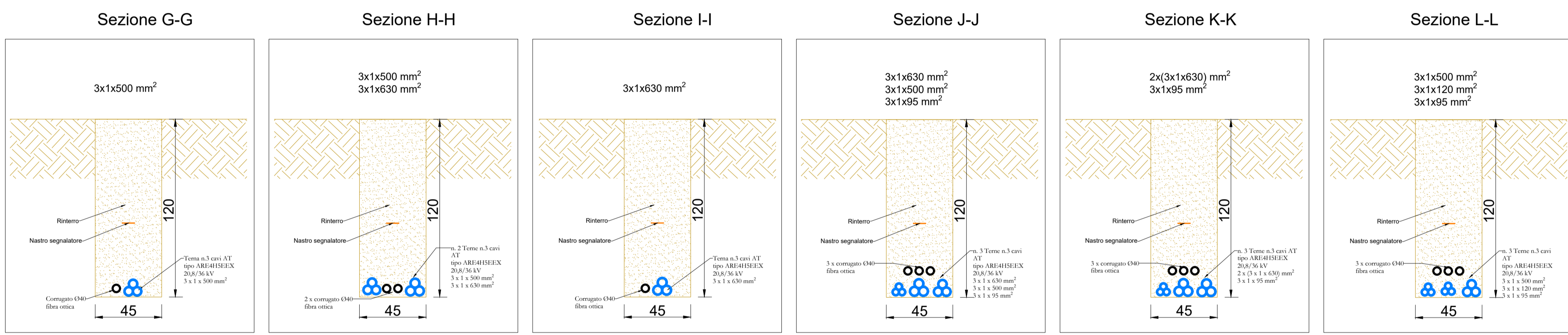


NOTA:
Per la posizione delle varie sezioni di cavidotti rappresentate vedasi:
"SAFDE_CAVT00700_00 - Planimetria su catastale - Cavidotto"



ARE4H5EEEX
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.

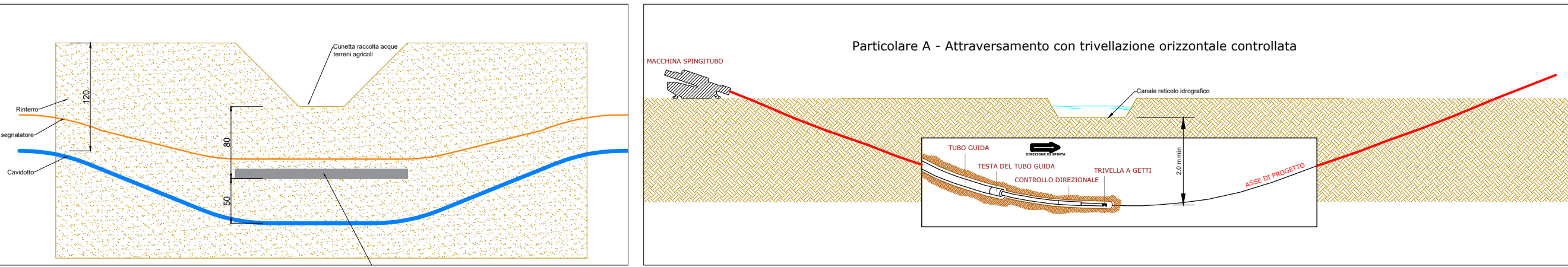
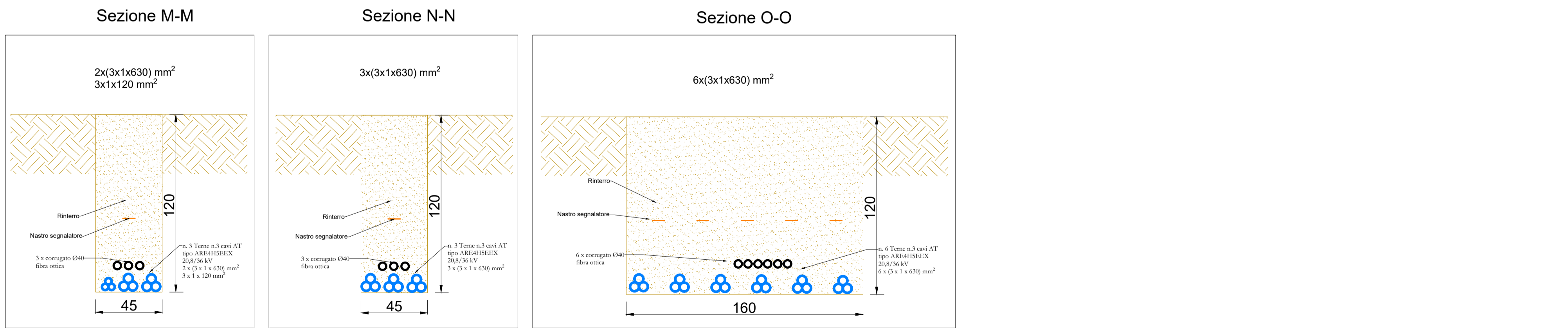
APPLICATIONS AND CHARACTERISTICS
In HV energy distribution networks for voltage systems up to 42kV. Suitable for fixed installation indoor or outdoor laying in air or directly or indirectly buried, also in wet location.
SHOCK PROOF SK2 has a very good shock resistance characteristics. The two special 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 U₀/U: 20,8/36 kV
Maximum voltage U_m: 42 kV
Test voltage: 2,5 U₀
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

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

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



AREN Green S.r.l.
Società soggetta alla direzione e coordinamento di AREN Electric Power S.p.A.
Sede legale e amministrativa: Via dell'Arrigioni n. 308 | 47522 Cesena (FC) | Ph. +39 0547 415245
Iscritta nel Registro delle Imprese della Romagna - Forlì-Cesena e Rimini | REA 326988 | C.F./P.Iva 04032170401

COMUNI DI MONTEVERDE E LACEDONIA (AV)
LOCALITA' "MASSERIA SAN FELICE"

PROGETTO PER LA REALIZZAZIONE DI
IMPIANTO EOLICO
"SAN FELICE"

REDAZIONE/PROGETTISTA:
AREN Electric Power Spa
Società per Azioni con Unico Socio
Via dell'Arrigioni 308 - 47522 Cesena (FC)
Ph. +39 0547 415245 - Fax +39 0547 415274
P.Iva 03803880401
Registro delle Imprese di Forlì-Cesena R.E.A. 317048

TIMBRO E FIRMA PROGETTISTA:
Ing. Sanna Ubi
Online degli Esperti di Forlì-Cesena
Mar. 2866

TITOLO ELABORATO:
Dettagli costruttivi cavidotto AT

CODICE ELABORATO: SAFDE_CAVT1008|00|00
FORMATO: A1
SCALA: Varie
FASE: PROGETTO DEFINITIVO

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
00	Prima emissione	02/08/2023	A.Lazar	S.Righini	S.Ubi
01					
02					
03					
04					

FILE: SAFDE_CAVT00800_00_Dettagli costruttivi cavidotto AT.dwg

LA DIFFUSIONE E RIPRODUZIONE, ANCHE PARZIALE, DI QUESTA TAVOLA E' VIETATA A TERMINI DI LEGGE