

NOTE:

- Per la posizione delle varie sezioni di cavidotti rappresentate vedasi: "MIRDE_CAVT00701_XX - Planimetria su catastale - Cavidotto" "MIRDE_CAVT00702_XX - Planimetria su catastale - Cavidotto"
- Dove non espressamente specificato, le misure sono in centimetri.



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

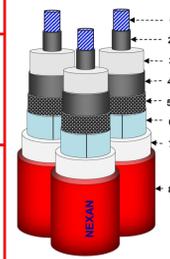
HIGH VOLTAGE CABLE
THREE SINGLE CORE CABLES IN TRIPLEX FORMATION WITH ALUMINIUM CONDUCTOR, REDUCED THICKNESS XLPE INSULATION, ALUMINIUM TAPE SCREEN AND DOUBLE PE SHEATH, SHOCK RESISTANT.

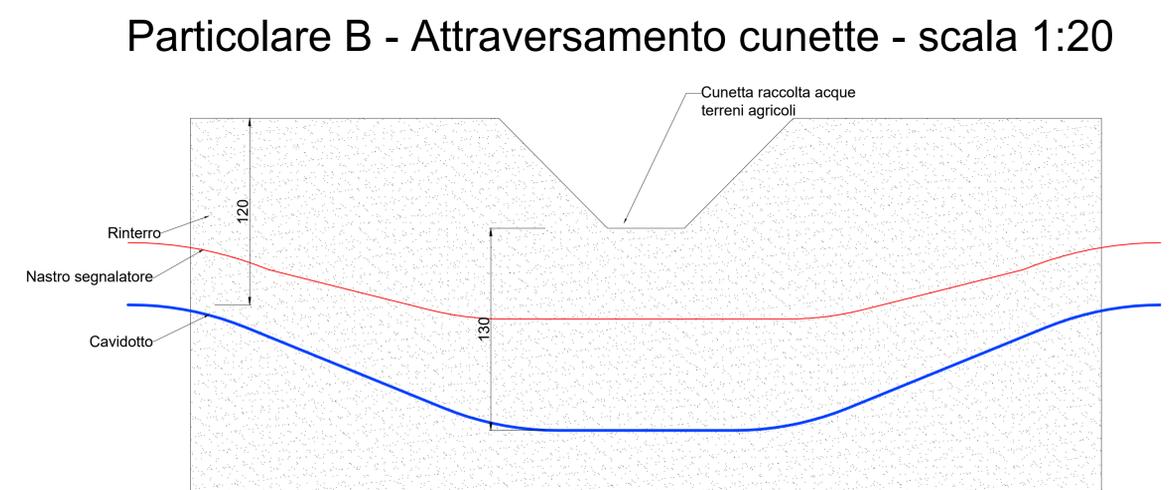
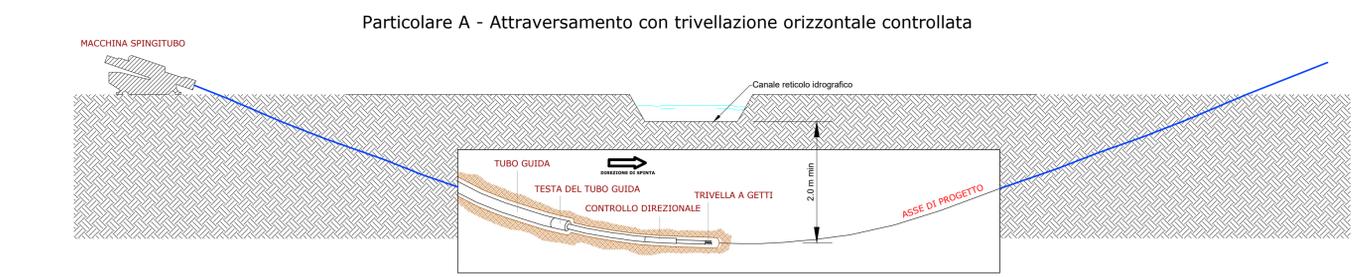
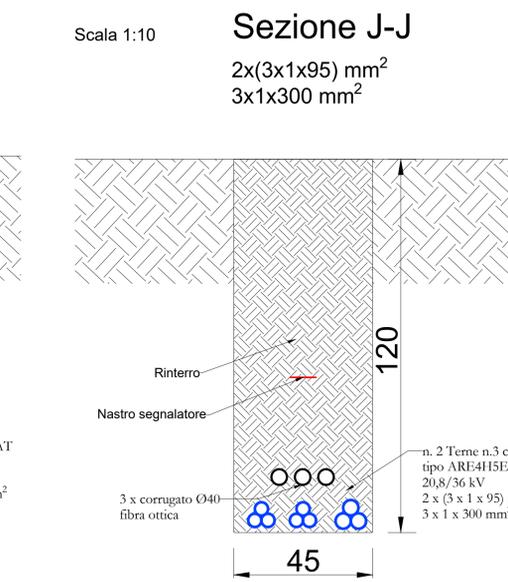
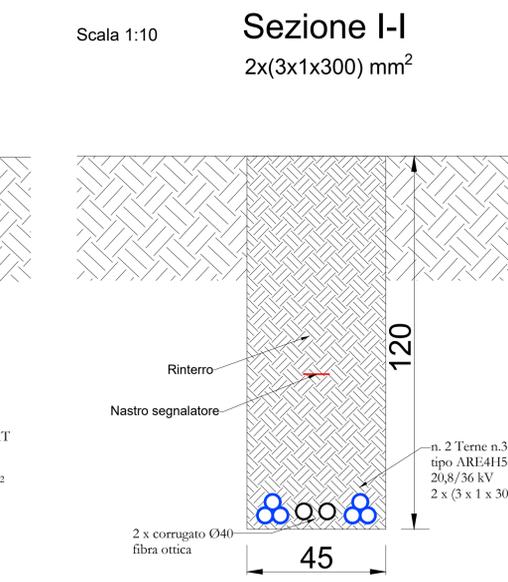
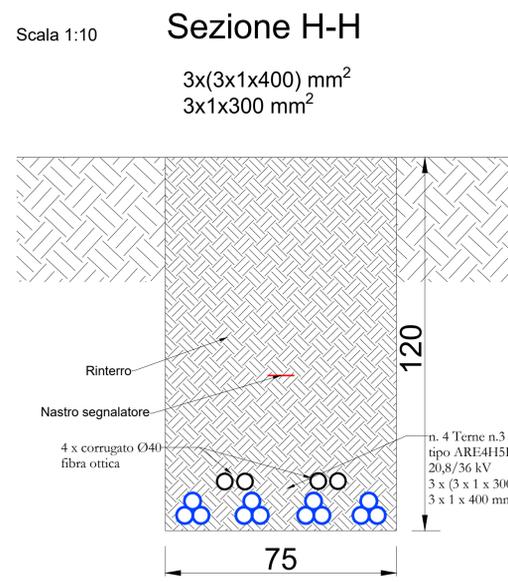
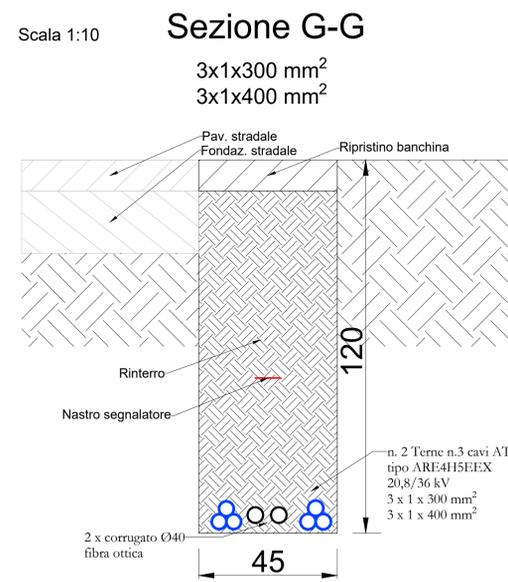
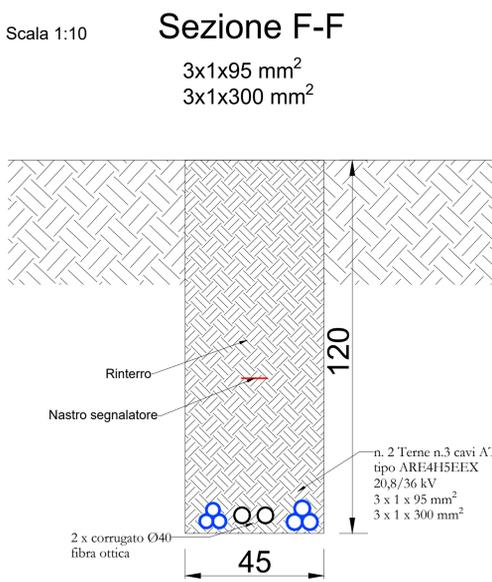
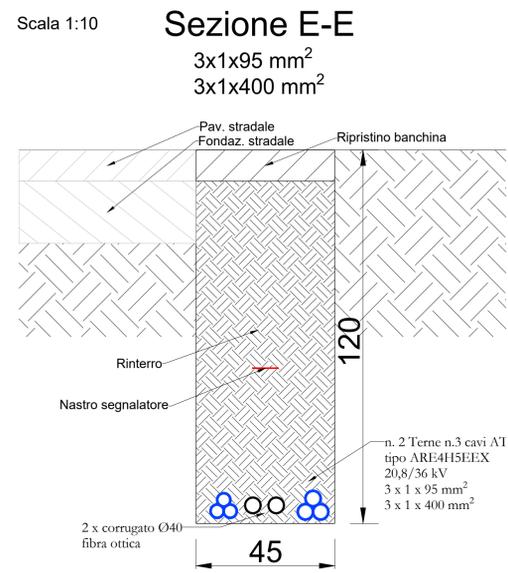
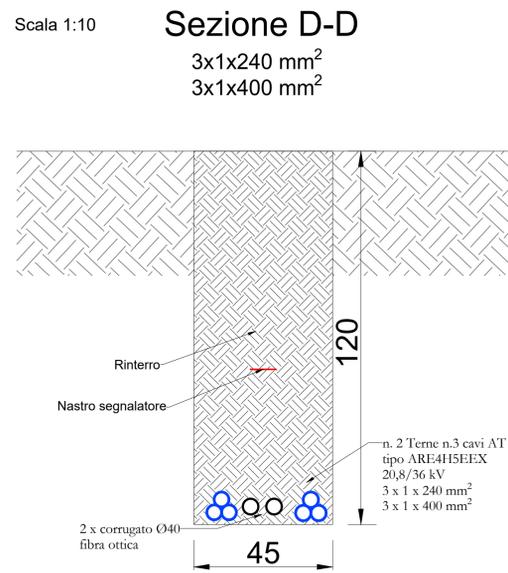
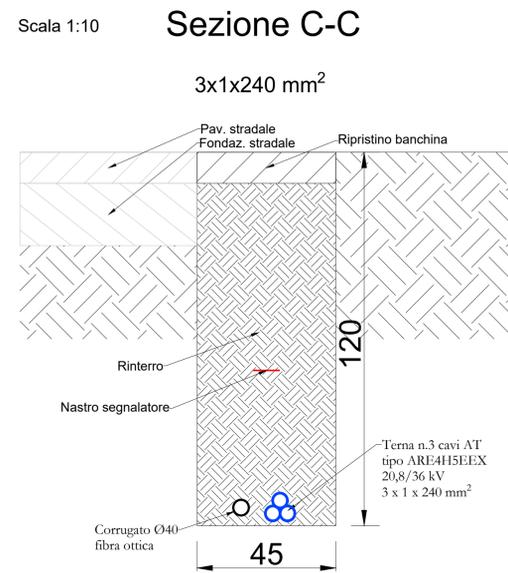
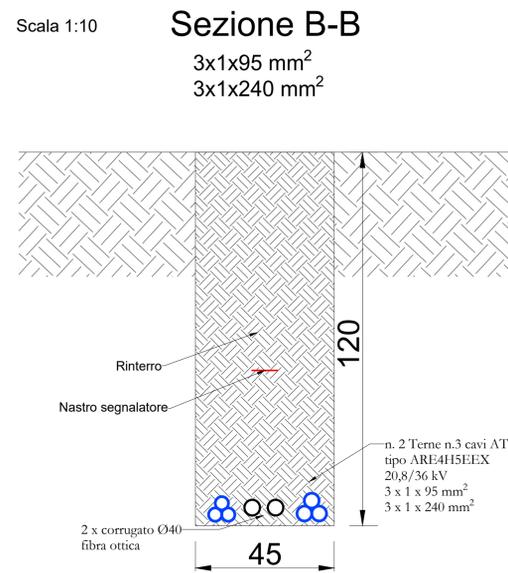
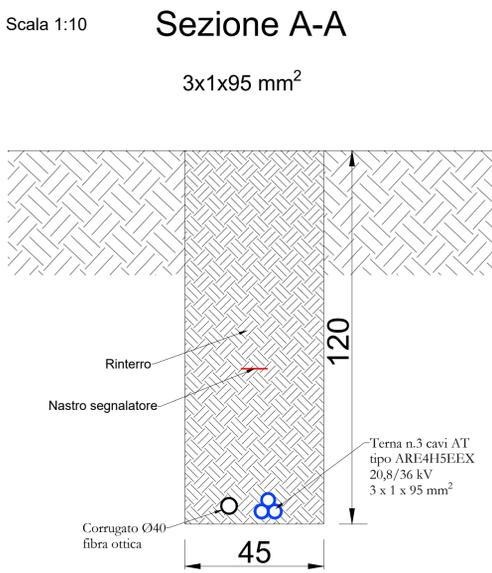
APPLICATIONS AND CHARACTERISTICS
In HV energy distribution networks for voltage systems up to 42kV. Suitable for fixed installation indoor or outdoor laying in air or directly or indirectly buried, also in wet location.
SHOCK PROOF SK2 has a very good shock resistance characteristics. The two special outer sheaths provide an excellent protection against impact and mechanical abuse during the lifetime of the cable.
Shock Proof SK2 cable performance 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 _{0/U} : | 20,8/36 kV |
| Maximum voltage U _m : | 42 kV |
| Test voltage: | 2,5 U _m |
| 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)
Nexans Design
HD 620 where applicable (materials)
CEI 20-68 where applicable (impact test)





AREN Green S.r.l.
Società soggetta alla direzione e coordinamento di AREN Electric Power S.p.A.
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Iscritta nel Registro delle Imprese della Romagna - Forlì-Cesena e Rimini | REA 326008 | C.F./P.Iva 04032170401

COMUNI DI SALEMI (TP), MARSALA (TP) E TRAPANI (TP)
LOCALITA' "CONTRADA MIRABILE"

PROGETTO PER LA REALIZZAZIONE DI
IMPIANTO EOLICO
"MIRABILE"

REDAZIONE /PROGETTISTA:
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Via dell'Arrigoni 308 - 47522 Cesena (FC)
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P.Iva 03803880404
Registro delle Imprese di Forlì-Cesena R.E.A. 317048

TITOLO E LIBRA PROGETTISTA:
Ing. Samuele Ulivi
Ordine degli Ingegneri di Forlì-Cesena
Min. 2866

TITOLO ELABORAZIONE:
Dettagli costruttivi cavidotto AT

CODICE ELABORAZIONE: MIRDE_CAVT008|00|00 |FORMATO: A1* |SCALA: 1:10-1:20 |FASE: PROGETTO DEFINITIVO

| REV. | DESCRIZIONE | DATA | REDATTO | VERIFICATO | APPROVATO |
|------|-----------------|------------|---------|------------|-----------|
| 00 | Prima emissione | 27/08/2024 | A.Lazar | S.Righini | S.Ulivi |
| 01 | | | | | |
| 02 | | | | | |
| 03 | | | | | |
| 04 | | | | | |

FILE: MIRDE_CAVT00800_01_Dettagli costruttivi cavidotto AT.dwg
LA DIFFUSIONE E RIPRODUZIONE, ANCHE PARZIALE, DI QUESTA TAVOLA E' VIETATA A TERMINI DI LEGGE