

NOTE:

- Per la posizione delle varie sezioni di cavidotti rappresentate vedasi: "DUCDE_CAVT00700_XX - Planimetria su catastale - Cavidotto"
- Dove non espressamente specificato, le misure sono in centimetri.

ARE4H5EEEX 20,8/36 kV 3x1... 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.

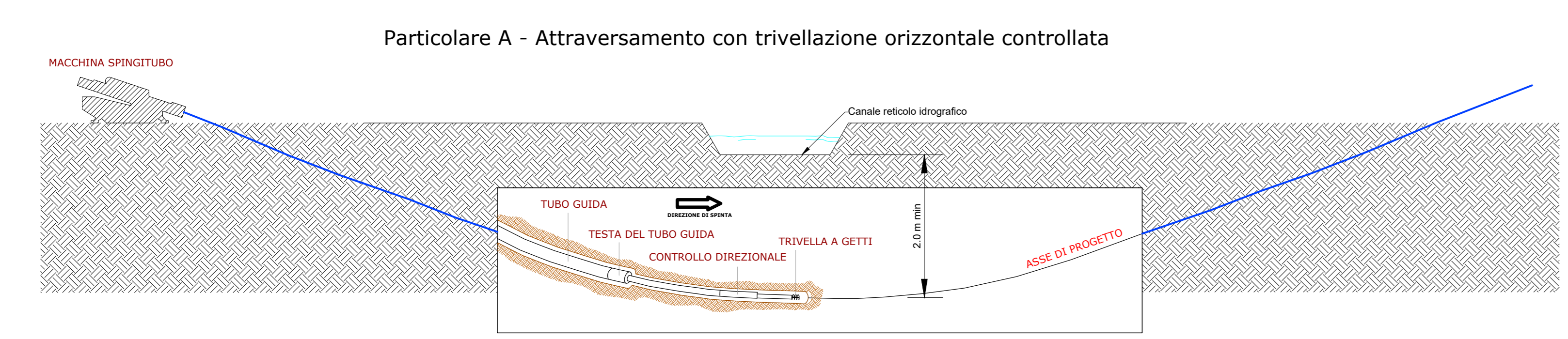
APPLICATIONS AND CHARACTERISTICS
In HV energy distribution networks for voltage systems up to 42kV. Suitable for fixed installation indoor or outdoor laying in air or directly or indirectly buried, also in wet location. **SHOCK PROOF SK2** has a very good shock resistance characteristics. The two special 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

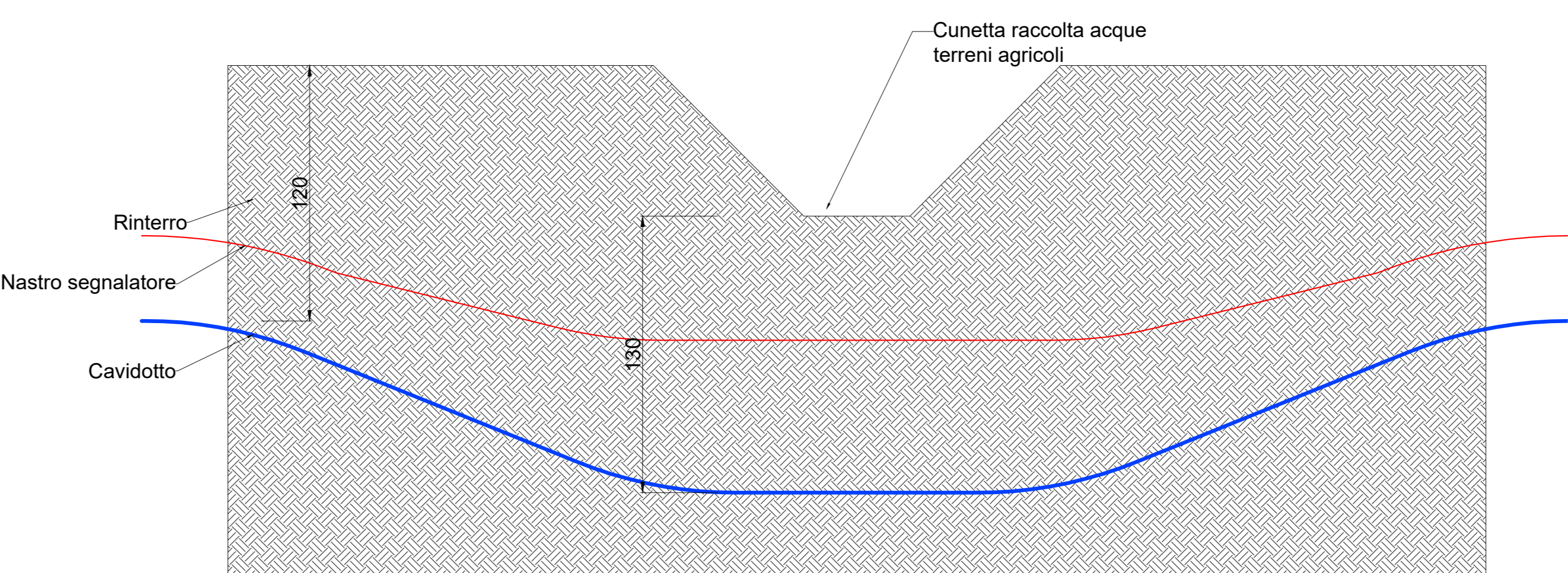
CONSTRUCTION
1. Conductor: stranded, compacted, round, aluminium - class 2 acc. to IEC 60228
2. Conductor screen: extruded semiconducting compound
3. Insulation: extruded cross-linked polyethylene (XLPE) compound
4. Insulation screen: extruded semiconducting compound - fully bonded
5. Longitudinal watertightness: 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)
Nexans Design
IEC 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)



Particolare B - Attraversamento cunette - scala 1:20



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COMUNI DI CONTESSA ENTELLINA (PA), SANTA MARGHERITA DI BELICE (AG), SAMBUCA DI SICILIA (AG) E MENFI (AG)
LOCALITÀ "CONTRADA DUCHESSA"

PROGETTO PER LA REALIZZAZIONE DI IMPIANTO EOLICO "DUCHESSA"

REDAZIONE PROGETTO: Aren Electric Power Spa
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TITOLO E FIRMA PROGETTISTA: Ing. Simone U. Ieri
Ordine degli Ingegneri di Foddi Cesena
Mat. 2066

PROGETTO DEFINITIVO

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
01	Prova in corso	05/01/2024	A.A.A.A.	S.M.P.	S.M.P.
02					
03					
04					

FILE: DUCDE_CAVT00700_00_Dettaglio cavidotto cavi AT.rvt
LA RIPRODUZIONE E RIPRODUZIONE, ANCHE PARZIALE, DI QUESTA TAVOLA E' VIETATA A TERMINI DI LEGGE