

Camerano, April 2024

Certificate of Conformity

ELANFIRE EN50200

We, ELAN SRL, **CERTIFY** that the cables marked with:

**“ELANFIRE “code” – “sect” FTE29OHM16 100/100V Cca-s1a, d0, a1 -
EN 50200 (PH120) – CEI 20-105 – UNI 9795 – CEI 36762 C-4
(Uo=400) – CE <production date>”**

are manufactured in accordance with the following requirements:

CEI 20-22 III; CEI 20-11; CEI 20-29; (IEC 60332-3; BSEN 50265);

CEI 20-36 (IEC 60331; BS 6387 CWZ; EN50200);

CEI 20-37 (IEC 60754; IEC 61034; BSEN 50267; BSEN 50268)

CEI UNEL 36762: CEI 20-105; UNI 9795

These cables correspond to the demands of System Circuit Integrity E30-E60-E90 in accordance with DIN 4102-12 and VDE 0472 part 814 (FE180).



MANUFACTURING TECHNICAL FEATURES

1. UNIPOLAR WIRES:

Unipolar wires (0,50 – 1,00 – 1,50 – 2,50) are insulated in glass/mica fire resistant tape and LSZH crosslinked compound E29 type. They have good resistance to low and high temperatures and they are fire resistant according to CEI 20-36; IEC 60331; BS 6387; EN50200 (PH120). They pass the test of voltage according to CEI 20-20 standard: 5 minutes with 2000 V. in dry current without any crack of insulation covering.

2. SHIELDING:

The wires are twisted and the shielding is made of:

- Coupled ribbon of aluminium/polyester foil 9/12 microns.
- Drainage wire in tinned copper braid conductors.
- Polyester ribbon 12 micron thick placed on joined cables according to CEI 46-5 standard.

3. JACKET:

The jacket is in red **LSZH** compound (M16 type according to CEI 20-11) and it is fire retardant according to CEI 20-22/III (IEC 60332-3; BSEN 50265) Standards and with low smoke and zero halogen according CEI 20-37 (IEC 60754; IEC 61034; BSEN 50267; BSEN 50268).

Cables marked as C-4 (Uo=400V) owing to their technical characteristics and the positive results obtained by passing the tests, can be installed with electrical power cables marked both 450/750V, and 0,6/1 Kv according to CEI UNEL 36762 and can be used in outdoor applications.

Cristina Andreoni
CEO
Elan Srl

