

Camerano, April 2024

Certificate of Conformity

ELANFIRE CEI 20-36, 20-37, EN50200

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

"ELANFIRE <Sect. >- CEI 20-22/III CEI 20-36 – CEI 20-37– EN 50200 PH120 – CEI 36762 C-4 (U₀=400V) – CE <date of production>"

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:

Directive 2002/95/CE (RoHS)

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– 8/10 – 10/10 – 13/10) are insulated in glass/mica fire resistant tape and LSZH cross-link E29 fire retardant compound. 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 (U₀=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



CANALE INTERRATO /
BURIED TROUGH



TUBO INTERRATO /
BURIED DUCT



INTERRATO CON
PROTEZIONE /
BURIED WITH
PROTECTION



FIRE RESISTANT



LOW SMOKE
EMISSION



HALOGEN FREE



ESTERNO /
OUTDOOR



FIRE RETARDANT



CON CAVI Elett.
WITH POWER CABLES