

Camerano, March 2019

Certificate of Conformity

ELANFIRE EN50200 SOLID

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

"ELANFIRE "Sect." – CEI 20-22/3-5 – CEI EN60332-3-25 – CEI 20-36 – CEI 20-37 - EN 50200 (PH120) – CEI 20-105 – UNI 9795 – CEI 36762 C-4 (U₀=400) – 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: CEI 20-105; UNI 9795



MANUFACTURING TECHNICAL FEATURES

1. UNIPOLAR WIRES:

Unipolar wires (8/10 – 10/10 – 13/10 solid) are insulated in glass/mica fire resistant tape and LSZH crosslinked E4 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 (M1 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.

Elan Srl



CANALE INTERRATO /
BURIED THROUGH



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