

Camerano, March 2004

CERTIFICATE OF CONFORMITY OF ALARM CABLES

MANUFACTURING TECHNICAL FEATURES

1. UNIPOLAR WIRES:

- a. The unipolar wires (0,50 – 0,75 – 1,00 – 1,50 mm²) or (Ø 8/10) which are the feeding conductors are insulated in PVC type R2.
They pass the test of voltage according to CEI 20-20 standard: 5 minutes with 6000 V. in dry current without any crack of insulation covering.
- b. The unipolar wires which are the signal conductors are insulated in PVC type R2.
They pass the test of voltage according to CEI 20-20 standard: 5 minutes with 6000 V. in dry current without any crack of insulation covering.

2. SHIELDING:

The shielding is made of:

- Coupled ribbon of aluminium/polyester foil 9/12 microns.
- Drainage wire compounded of no. 7 tinned copper braid conductors, diameter 0,193 mm.
- Polyester ribbon 12 micron thick, placed on joined cables according to CEI 46-5 standard.

3. OUTER SHEATH:

The outer sheath in various colours white, blue, red and grey is made of flexible PVC type RZ and flame retardant according to CEI 20/22-II Ed. Standard.

- a. ALARM CABLE MARKED WITH: **ELAN A.F. CEI 20-22 II GR2 250V**
owing to their technical characteristics and the positive results obtained by passing the tests, the cables under this mark are named **"2nd degree cables"** (GR 2) with an insulation of 250 V.
- b. ALARM CABLE MARKED WITH: **ELAN A.F. CEI 20-22 II GR3 450V**
owing to their particular making (thicker outer sheath), the cables under this mark are named **"3rd degree cables"** (GR 3) and hence can be installed indoor, in channels, even with other cables, with an insulation of 450 V.
- c. ALARM CABLE MARKED WITH: **ELAN A.F. CEI 20-22 II GR4 750V**
owing to their particular making (doubly thick outer sheath), the cable under this mark are named **"4th degree cables"** (GR 4) and hence can be installed indoor, in channels, even with other cables, as well as outdoor, because they are in compliance with CEI 64.8 IV Ed. Standard, with an insulation of 750 V.