

Camerano, May 2006

CERTIFICATE OF CONFORMITY OF ALARM CABLES

We, **ELAN s.r.l.**, **CERTIFY** that the cables marked with:

ELAN A.F. CEI 20-22 II GR2 250V

ELAN A.F. CEI 20-22 II GR3 450V

ELAN A.F. CEI 20-22 II GR4 750V

are manufactured in accordance with the following Standards:

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

Directive 2002/95/CE (RoHS)

MANUFACTURING TECHNICAL FEATURES

1. UNIPOLAR WIRES:

- a. The unipolar wires (0,50 – 0,75 – 1,00 – 1,50 - 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 2000 V. in dry current without any crack of insulation covering.
- b. The unipolar wires (0.22) 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 1000 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 in tinned copper braid conductor
- Polyester ribbon 12 micron thick, placed on joined cables according to CEI 46-5 standard.

3. JACKET:

The jacket in various colours white, blue, red and grey is made of flexible PVC type RZ and flame retardant according to CEI 20/22-II (IEC 60332;BSEN 50265) 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.