Caledonian

Industrial Cables (Italian Standard)

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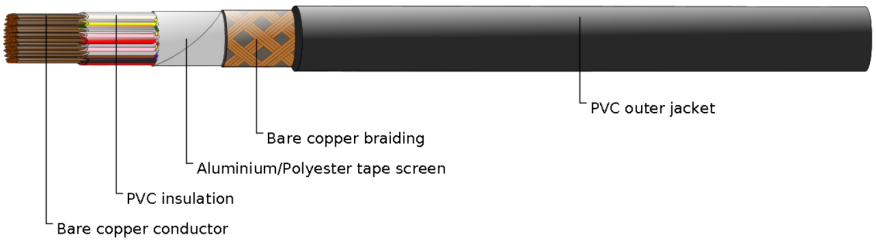

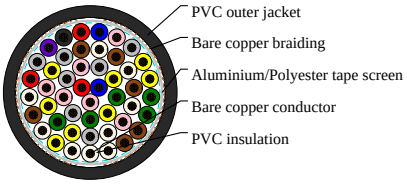

APPLICATIONS

These cables are well adapted to use in industrial environments (where chemicals and oils may be present too), in signal and command equipments, in power plants and in any application where is essential guarantee power and control transmission withoutexternal interference and noise.Also suitable for valves power supply, alarm system activation, relay lock, etc.They provide a good screening against electromagnetic (copper wires braid) and electrostatic (AL/PETP tape) interferences.

STANDARDS

CEI 20-11, CEI 20-22 II, CEI 20-29
CEI 20-35 (EN60332-1), CEI 20-37 pt.1(EN50267)

VOLTAGE RATING

300/300V

CABLE CONSTRUCTION

- Flexible bare copper strands
- Strands to CEI 20-29 Class-5
- PVC Insulation compound type R2 according to CEI 20-11
- Color code according to DIN 47100
- Aluminium/Polyester tape screen
- Bare copper wires braiding
- PVC outer sheath compound type TM2 / Rz according to CEI 20-11

COLOUR CODE

Insulation Colour Code
Colour coded to DIN 47100
48 cores - White+Brown+Green+Yellow+Gray+Pink+Blue+Red+Black+Violet+Gray/Pink+Red/Blue+White/Green +Brown/Green+White/Yellow+Yellow/Brown+White/Gray+Gray/Brown+White/Pink+Pink/Brown+White/Blue +Brown/Blue+White/Red+Brown/Red+White/Black+Brown/Black+Gray/Green+Yellow/Gray+Pink/Green+Yellow/ Pink+Green/Blue+Yellow/Blue+Green/Red+Yellow/Red+Green/Black+Yellow/Black+Gray/Blue+Pink/Blue+Gray/ Red+Pink/Red+Gray/Black+Pink/Black+Blue/Black+Red/Black+White+Brown+Green+Yellow

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1500 V

- Flexing bending radius: 12 x Ø
- Static bending radius: 8 x Ø
- Flexing temperature: 0º C to +70º C
- Static temperature: -15º C to +70º C
- Flame retardant: CEI 20-22 II
- Insulation resistance: 10 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Approx. Weight
No.×mm²		mm	kg/km
48 x 0.22	23(7/32)	11.4	213