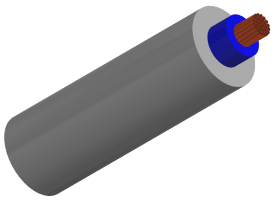
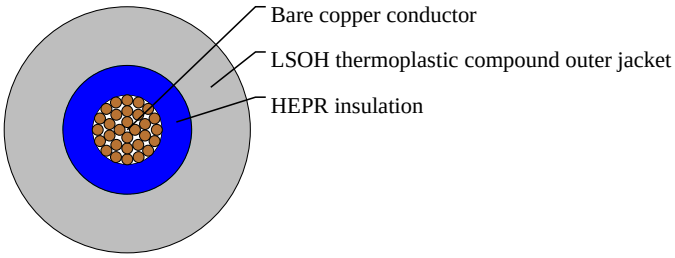
Caledonian

Industrial Cables (Italian Standard)

www.caledonian-cables.com marketing@caledonian-cables.com

FG7M1 1C1.5





APPLICATIONS

These cables are especially used in power circuits or signals and commands transfer. In environments with high fire hazards risk when it's essential to guarantee the safety of people and goods. Typically hospitals, schools, commercial areas, public premises, hotels, undergrounds, residential buildings and industries ambits with high concentration of persons or instrumental goods. For fixed installation indoor or outdoor, clipped on metallic frames or walls.

STANDARDS

CEI 20-11; CEI 20-13; CEI 20-22 III
CEI 20-29; CEI 20-35; CEI 20-37
CEI-UNEL 00722; CEI-UNEL 35382;CEI-UMEL 35384

VOLTAGE RATING

600/1000 V

CABLE CONSTRUCTION

- Flexible bare copper conductor to CEI 20-29 cl.5
- Rubber HEPR, G7 quality to CEI 20-11
- LSOH thermoplastic compound filler
- Type M1 LSOH thermoplastic compound outer jacket

COLOUR CODE

Insulation Colour Code
Color coded to VDE 0293-308
Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 4000 V
- Minimum bending radius:
  UNEL 35382: 4 x outer diameter
  UNEL 35384: 6 x outer diameter
- Flexing temperature: -0º C to +90º C
- Static temperature: -25º C to +90º C

- Maximum short circuit temperature: +250º C
- Flame retardant: CEI 20-22 III, IEC 60332-3-24
- Insulation resistance: 100 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight
No.×mm²		mm	mm	mm	kg/km
1x1.5	16(30/30)	0.7	1.4	5.8	55