



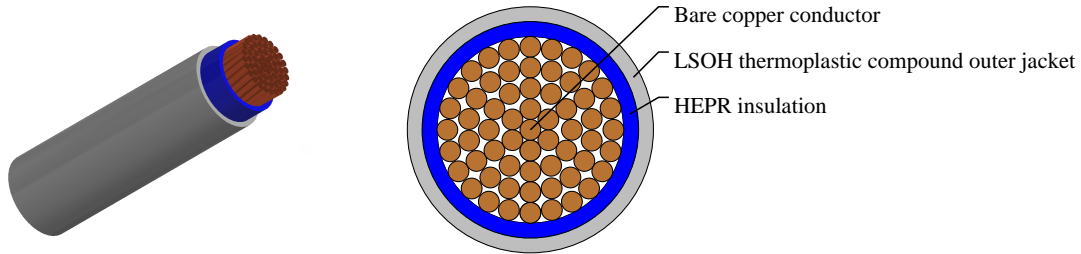
# Caledonian

Industrial Cables (Italian Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## FG7M1 1C300



## 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: -0° C to +90° C
- Static temperature: -25° C to +90° C



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

## DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional Area | AWG Size | Nominal<br>Insulation<br>Thickness | Nominal Sheath<br>Thickness | Approx. Overall<br>Diameter | Approx. Weight |
|--|----------|------------------------------------|-----------------------------|-----------------------------|----------------|
| No. × mm <sup>2</sup>                      |          | mm                                 | mm                          | mm                          | kg/km          |
| 1x300                                      | 550MCM   | 1.8                                | 1.8                         | 31                          | 3000           |