



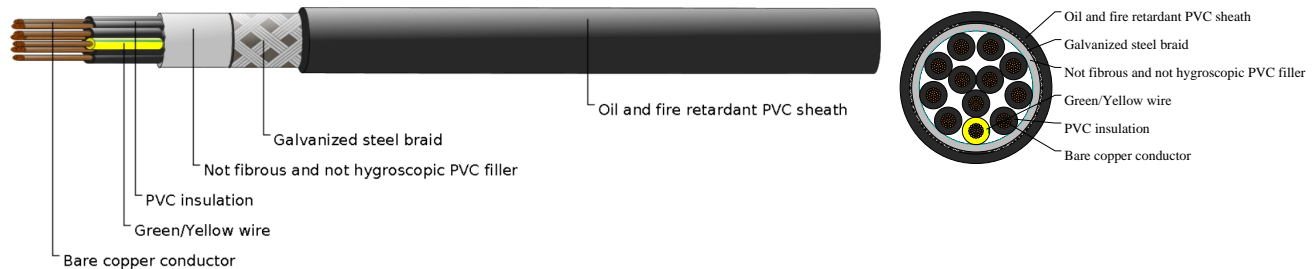
Caledonian

Industrial Cables (Italian Standard)

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FRORAR 12C1



APPLICATIONS

These cables are for energy transport and signal transmission both in internal and external environments, wet as well. For fixed lay in free air, in pipe or channel, on walling and metallic frames, or suspended. The use of armoured cables is recommended whenever conditions are such that mechanical shocks might occur, the main feature is protection against strikes and rodents. Also appropriate for direct or indirect ground lay.

STANDARDS

CEI 20-11, CEI 20-34, IEC 60502-1

CEI 20-22 II, CEI 20-34, CEI 20-35, CEI 20-37

VOLTAGE RATING

450/750 V

CABLE CONSTRUCTION

- Flexible bare copper strands
- Strands to CEI 20-29 Class-5
- PVC insulation R2 type
- Colour coded to Unel 00722
- Not fibrous and not hygroscopic fire retardant PVC filler
- Galvanized steel braid with minimum coverage 85%
- Oil and fire retardant transparent PVC TM2 to CEI 20-11 outer jacket

COLOUR CODE

Insulation Colour Code

Colour coded to Unel 00722

- Green-Yellow + black numbered

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2500 V
- Minimum bending radius: 8 x Ø
- Fixed installation temperature : -15° C to + 70° C
- Flexible installation temperature : 0° C to + 70° C



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- Short circuit temperature: +160° C
- Flame retardant: CEI 20-22 II
- Oil retardant: CEI 20-34/0-1
- No flame propagation CEI 20-35
- Insulation resistance: 20 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Approx. Weight
No. × mm ²		mm	kg/km
12 x 1	17(32/32)	14	400