CERVICOM BUS EIB-KNX LSHF CPR Home automation systems





Construction

Conductor Stranded bare copper wires 0,80mm

Insulation Polyethylene ADPE

Identification:

· 1 pair: Red-Black

· 2 pairs: Red-Black + White-Yellow

Assembly 1 pair: Twisted pair laid-up together

2 pairs: Star Quad

Screen Polyester tape separator +

Aluminium/Polyester tape + flexible tinned copper drain wire (0,51mm)

Outer sheath Thermoplastic compound halogen free

Colour: Green

Technical characteristics

Operating voltage 250V Max. A.C

300V Max. C.C

(*Not suitable for direct connection to the power supply network or other low impedance

sources)

1000 V **Test Voltage**

Conductor resistance 36 Ohm/Km Max. Insulation resistance 1000 MOhm*Km Capacitance 50±10 pFm **Characteristic Impedance** 100 Ohm Operating Ta -15° to +70°C

Application

Halogen free cable for control of domotic systems in buildings. In accordance with the EIB (European Installation Bus) and KNX systems. Generally used to control lighting, blinds, heating, ventilation, indicator boards, etc ...

* CPR:

Cable suitable to be installed under the requirements of the CPR (Construction Product Regulation (EU) N ° 305/2011) in accordance with the classification (Euroclass) specified in this document.

Standards / Properties

Flame Retardant UNE-EN 60332-1 (IEC 60332-1)

CPR Classification (Euroclass) Dca-s2,d2,a1

(According UNE-EN 50575)

Halogen free UNE-EN 60754-1 (IEC 60754-1) Low corrosivity UNE-EN 60754-2 (IEC 60754-2)

 $(pH >= 4.3 ; conductivity =< 10\mu S/mm)$

UNE-EN 61034 (IEC 61034) Low smoke emission









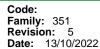








electromagnetic



Realized:

IT1F1

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Constructive Data

Code	Nx2xØ (mm)	Ø (mm)	Weight (kg/km)
35100083	1x2x0,80	5	33
35100090	1x2x0,80 R/100	5	33
35100031	2x2x0,80	6,6	60
35100087	2x2x0,80 R/100	6,6	60

Legend

Code Cervi codification

Nx2xØ (mm) Number of pairs x Conductor diameter (mm)

Ø (mm) Aprox. outer diameter (mm)

Weight (kg/km) Approximate cable weight (kg/km)

Code:

IT1F2