CERVICOM BUS EIB-KNX LSHF CPR
Home automation systems

Cervi
www.cervi.es

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)
Test Voltage	1000 V
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 =< 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)

flame retardant | halogen free | low corrosivity | low smoke opacity | electromagnetic protection | CE | RoHS compliant | CPR compliant EN 50575

Code:
Family: 351
Revision: 5
Date: 13/10/2022

Realized:

Approved:

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)

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