

EIB - BUS

EIB Bus cables Symmetrical data cable for EIB – BUS Systems



Application

Bus cable for indoor installations in EIB (European Installation Bus) systems. The cable is suitable for installation in ducts, on risers and under data floors. PE insulated plain copper conductors. The cable has an overall Al/PETP-foil screen and a tinned copper drain wire. The overall sheath is made of flame retardant PVC. The pair is colour coded for easy identification.

1 pair: black/red **2 pair:** yellow/white

Reaction to fire

IEC 60332-1, IEC 61034-2, IEC 60754-1/2

Construction

Conductor	Copper wire, bare 0.5 mm ² , 0.80 mm Ø
Insulation	PE, 1.6 mm Ø
Conductor identification	Pair 1: red, black, Pair 2: Yellow, white
Pair stranding	2 conductors to the pair
Cable lay up	1 or 2 pairs to the core
Wrapping	1 x PET foil
Overall shielding	Laminated AL-foil + copper drain wire 0.4mm ²
Rip cord and identification thread	yes
Outer sheath	LSFROH, white RAL 9010 / green RAL 6018
Marking for LSFROH version	DRAKA EIB BUS CABLE LSFROH 2x2/0.8, week, year, batch number and meter marking

Mechanical Properties

Operating temperature	- 25 °C up to + 70 °C
Min. Installation temperature	- 5 °C up to + 60 °C
Minimum bending radius	without load 4 x D with load 8 x D

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Electrical Properties

at 20°C

Loop DC resistance (max.)	73.2 Ω/km
Insulation resistance (at 500 V, 1 min.)	10 GΩ*km
Mutual capacitance at 800 Hz (max.)	100 nF/km
Inductance	0.65 mH/km
Max. operating voltage DC	800 V
AC Testvoltage, (5 min)	2500 V
AC Testvoltage, (1 min)	4000 V

Technical Data

Reference Code	Type	Dimension	Outer diameter mm	Euro class	Fire load		weight kg/km	Copper content
					MJ/km	kWh/m		
60013689	EIB BUS Cable LSFROH	1x2x0.8	5.4	D _{ca}	445	0.12	36	11.4
60013692		2x2x0.8	7.6	D _{ca}	735	0.20	60	21.8
60013696	EIB BUS Cable LSFROH GN	2x2x0.8	7.6	D _{ca}	735	0.20	60	21.8

Product Code Table

Product Description	PG Reference Code	PG Part Number
EIB BUS CABLE LSFROH 1x2x0.8	60013689	60013689
EIB BUS CABLE LSFROH 1x2x0.8 500DW	60013689	60013690
EIB BUS CABLE LSFROH 2x2x0.8	60013692	60013692
EIB BUS CABLE LSFROH 2x2x0.8 500DW	60013692	60013694
EIB BUS CABLE LSFROH 2x2x0.8 GN	60013696	60013696
EIB BUS CABLE LSFROH 2x2x0.8 GN 500DW	60013696	60013697

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