

Bus cable EIB/KNX



Conductor material:	copper, bare
Conductor class:	class 1 = solid
Insulation:	PVC TI1
Stranding unit:	pair
Stranding:	layers
Screen:	plastic coated aluminium foil + solid copper drain wire
Sheathing material:	PVC YM1
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	yes
Permitted outer cable temperature, fixed:	-30 - +70 °C
Specific inductivity:	680 mH/km

	<i>FABER® EIB</i>	<i>FABER® EIB FRNC</i>
Maximum operating capacity:	100 nF/km	100 nF/km
Loop resistance:	73,2 Ohm/km	73,2 Ohm/km
Nominal voltage U:	300 V	300 V
Test voltage:	4 kV	4 kV
Core identification:	colours acc. to VDE 0815	colours acc. to VDE 0815

Application: Due to the increased test voltage and the special marking the cable is designed as bus cable in the EIB/KNX facility control system according to EN 50090. For the Instabus itself is used only the red/black pair (transmission of 24 V supply voltage plus data packages), the second pair (white/yellow) is redundant. The cable may be installed on or under plaster, in ducts and installation channels in dry or wet rooms.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

Table: Technical characteristics FABER® EIB

p/n	part name	D _I [mm]	D _A [mm]	Cu [kg/km]	G [kg/km]
101010	FABER® EIB-Busleitung 02X2X0,8 GN	0,8	6,3	21	55
101011	FABER® EIB-Busleitung 04X2X0,8 GN	0,8	8,8	41	92

Table: Technical characteristics FABER® EIB FRNC

p/n	part name	D _I [mm]	D _A [mm]	Cu [kg/km]	G [kg/km]
101049	FABER® EIB-Busleitung halogenfrei 02X2X0,8 GN	0,8	6,3	21	55

DI	Conductor diameter
DA	Outer diameter approx.
Cu	Copper weight (GER)
G	weight