Bus cable
EIB/KNX FRNC

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.

Construction and technical data:

Conductor material:	copper, bare
Conductor construction:	Class 1 = solid
Insulation:	FRNC-compound
Stranding unit:	Four strand
Stranding:	Bundle
Screen:	plastic coated aluminium foil + solid copper drain wire
Sheathing material:	FRNC-compound
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Halogen-free:	yes
Permitted outer cable temperature, fixed, °C:	-30 - +70 °C
Insulation resistance:	100 MOhmxkm
Specific inductivity:	0.68 mH/km

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.

FABER® EIB FRNC

Loop resistance:	73.2 Ohm/km
Maximum operating capacity:	100 nF/km
Test voltage:	4 kV
Core identification:	colours acc. to VDE 0815
peak operating voltage, V:	250 V

part no.	part name	Dl [mm]	Ø [mm]	Cu	G [kg]
102149	1X2X0,8 GN	0.8	6.1	13	48

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part no.	part name	Dl [mm]	Ø [mm]	Cu	G [kg]
101049	2X2X0.8 GN	0.8	6.3	21	55

Dl	diameter conductor
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000