

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 MOhm $\times$ km
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.

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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	DI [mm]	Ø [mm]	Cu	G [kg]
102149	1X2X0,8 GN	0.8	6.1	13	48

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

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