



Type Cable structure

Inner conductor diameter:
Core insulation:
Core colours:
Stranding element:
Shielding 1:
Shielding 2:
Total shielding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Fixed installation, interior 3x2x0.22 mm²

Copper, bare (AWG 24/7)
PE
wh/bn, gn/rd, ye/gn
Double core
Polyester foil over stranded bundle
Polyester foil, aluminium-lined
Cu braid, bare
FRNC
7,0 mm ± 0,3 mm
Pastel turquoise similar to RAL 6034

Electrical data

Characteristic impedance:	100 Ohm ± 15 Ohm
Conductor resistance:	96,0 Ohm/km max.
Insulation resistance:	1,0 GOhm x km min.
Mutual capacitance:	50,0 nF/km nom.
Test voltage:	1,0 kV
Attenuation:	256 kHz < 1,5 dB/100m
	772 kHz < 2,4 dB/100m
	1 MHz < 2,7 dB/100m
	4 MHz < 5,2 dB/100m
	10 MHz < 8,4 dB/100m
	16 MHz < 11,2 dB/100m
	20 MHz < 11,9 dB/100m

Technical data

Weight:	ca. 70,0 kg/km
Min. bending radius for laying:	110,0 mm
Operating temperature range min.:	-25 °C
Operating temperature range max.:	+60 °C
Caloric load, approx value:	1,1 MJ/m
Copper value:	36,4 kg/km

Norms

Applicable standards: Interbus specifications 1.1 and 1.2

Application

Interbus-s is an inexpensive way to network sensors and actors with all standard automation instruments. The twisted two-core conductor is used as a standard transfer medium. This bus system replaces the expensive parallel cabling for the different signal types in the lower levels of automation technique and combines the cables in a single bus cable. Interbus components are connected with this long-distance BUS cable.

Part no.

81557, I-BUS