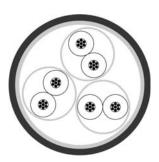




I-BUS FRNC



# 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 mm<sup>2</sup>

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

 $7,0 \text{ mm} \pm 0,3 \text{ mm}$ 

Pastel turquoise similar to RAL 6034

### **Electrical data**

Characteristic impedance: Conductor resistance: Insulation resistance: Mutual capacitance: Test voltage: Attenuation: 100 0hm ± 15 0hm 96,0 0hm/km max. 1,0 G0hm x km min. 50,0 nF/km nom. 1,0 kV 256 kHz < 1.5

dB/100m 772 kHz < 2,4dB/100m MHz < 2,7 dB/100m 1 4 MHz < 5,2dB/100m 10 MHz < 8,4 dB/100m 16 MHz < 11,2 dB/100m20 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 combinethe cables in a single bus cable. Interbus components are connected with this long-distance BUS cable.

**Part no. 81557**. I-BUS





