

BUS Cables

I-BUS



HELUKABEL®

fixed installed, halogenfree



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, indoor 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
PE
approx. 7,0 mm ± 0,3 mm
Pastel turquoise similar to RAL 6034

Electrical data

Characteristic impedance:
Conductor resistance, max.:
Insulation resistance, min.:
Loop resistance:
Mutual capacitance:
Test voltage:
Attenuation:

100 Ohm ± 15 Ohm
96 Ohm/km
1 GOhm x km
192 Ohm/km max.
50 nF/km nom.
1 kV
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:
bending radius, repeated:
Operating temperature range min.:
Operating temperature range max.:
Caloric load, approx. value:
Copper weight:

approx. 67 kg/km
110 mm
-25°C
+60°C
1,10 MJ/m
35,00 kg/km

Norms

Applicable standards: interbus specification 2.0, IEC61158

Application

Interbus-S is an inexpensive way to network sensors and actuators 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. The cable with halogenfree jacket is used for outdoor applications and in the food-industry.

Part no.

81557, I-BUS

Dimensions and specifications may be changed without prior notice.