



## 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 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  
PE  
7,0 mm ± 0,3 mm  
Pastel turquoise similar to RAL 6034

## Electrical data

Characteristic impedance:  
Conductor resistance:  
Insulation resistance:  
Mutual capacitance:  
Test voltage:  
Attenuation:

100 Ohm ± 15 Ohm  
96,0 Ohm/km max.  
1,00 GOhm x km min.  
50,0 nF/km nom.  
1,0 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:  
Min. bending radius for laying:  
Operating temperature range min.:  
Operating temperature range max.:  
Caloric load, approx value:  
Copper value:

approx. 67,0 kg/km  
110,0 mm  
-25 °C  
+60 °C  
1,10 MJ/m  
35,0 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