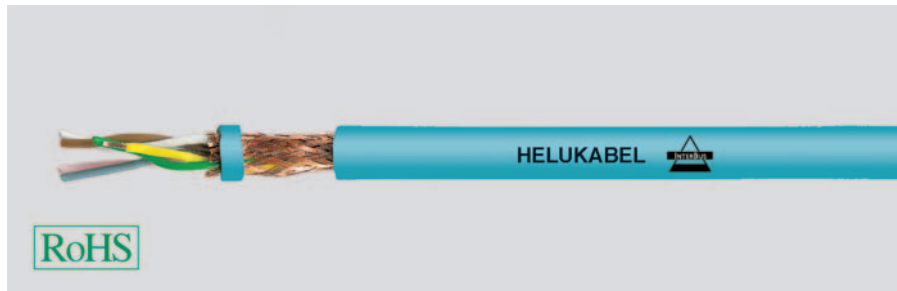
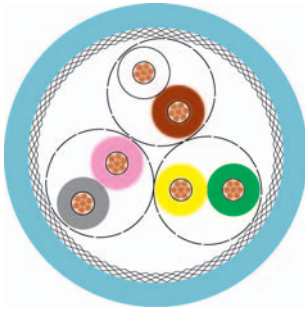


# BUS Cables

I-BUS



fixed installed



## Type Cable structure

Inner conductor diameter:  
Inner conductor diameter 2:  
Core insulation:  
Core insulation 2:  
Core colours:  
Core colours 2:  
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  
-  
Cu braid, bare  
PVC  
app. 7,0 mm ± 0,3 mm  
Pastel turquoise similar to RAL 6034

## Fixed installation, indoor 3x2x0.22 mm<sup>2</sup> + 3x1.0 mm<sup>2</sup>

Copper, bare (AWG 24/7)  
Copper, bare (AWG 17/56)  
PE  
PE  
wh/bn, gn/rd, ye/gn  
bu, rd, gnye  
Double core  
Polyester foil over stranded bundle  
-  
Cu braid, bare  
PVC  
app. 8,0 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.  
60 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

100 Ohm ± 15 Ohm  
96 Ohm/km  
1 GOhm x km  
192 Ohm/km max.  
60 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:

app. 70 kg/km  
110 mm  
-40°C  
+70°C  
1,20 MJ/m  
35,00 kg/km

app. 96 kg/km  
120 mm  
-40°C  
+70°C  
1,31 MJ/m  
68,00 kg/km

## Norms

Applicable standards:

interbus specification 2.0, IEC61158  
Flame-retardant acc. to EN 50265-2-1  
UL Style 2571

interbus specification 2.0, IEC61158  
Flame-retardant acc. to EN 50265-2-1  
UL Style 2571

## Application

HELUKABEL® I-Bus is designed for fixed installation and occasional motion, for normal Interbus installation and as a hybrid cable with integrated power supply.

## Part no.

80778, I-BUS

81202, I-BUS

Dimensions and specifications may be changed without prior notice.