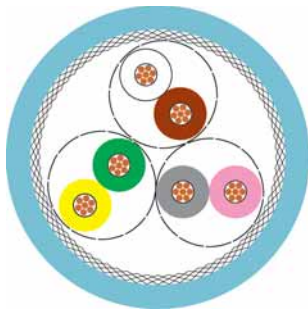


BUS Cables

I-BUS drag chain



PUR



Type Cable structure

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

Electrical data

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

Technical data

Weight:
bending radius, repeated:
Operating temperature range min.:
Operating temperature range max.:
Caloric load, approx. value:
Copper weight:

Norms

Applicable standards:

Application

HELUKABEL® I-Bus is designed for guided continuous motion in cable carriers and as strictly a bus cable or a hybrid version (with integrated power supply). Both versions feature a halogen-free PUR jacket.

Part no.

Dimensions and specifications may be changed without prior notice.

Drag chain applications 3x2x0.25 mm²

Copper, bare (AWG 24/19)
-
PE
-
wh/bn, gn/rd, ye/gn
-
Double core
Polyester foil over stranded bundle
-
Cu braid, bare
PUR
app. 7,6 mm ± 0,3 mm
Pastel turquoise similar to RAL 6034

100 Ohm ± 15 Ohm
96 Ohm/km
1 GOhm x km
192 Ohm/km max.
60 nF/km nom.
1 kV
256 kHz < 15,0 dB/km
772 kHz < 24,0 dB/km
1 MHz < 27,0 dB/km
4 MHz < 52,0 dB/km
10 MHz < 84,0 dB/km
16 MHz < 112,0 dB/km
20 MHz < 119,0 dB/km

app. 63 kg/km
120 mm
-20°C
+70°C
0,937 MJ/m
36,00 kg/km

interbus specification 2.0, IEC61158
Halogen-free acc. to 60754-1
Flame-retardant acc. IEC 60332-2-1

Drag chain applications 3x2x0.25 mm² + 3x1.0 mm²

Copper, bare (AWG 24/19)
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
PUR
app. 8,6 mm ± 0,3 mm
Violet similar to RAL 4001

100 Ohm ± 15 Ohm
96 Ohm/km
1 GOhm x km
192 Ohm/km max.
60 nF/km nom.
1 kV
256 kHz < 15,0 dB/km
772 kHz < 24,0 dB/km
1 MHz < 27,0 dB/km
4 MHz < 52,0 dB/km
10 MHz < 84,0 dB/km
16 MHz < 112,0 dB/km
20 MHz < 119,0 dB/km

app. 92 kg/km
130 mm
-20°C
+70°C
1,227 MJ/m
70,00 kg/km

interbus specification 2.0, IEC61158
Halogen-free acc. to 60754-1

81203, I-BUS

82696, I-BUS

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