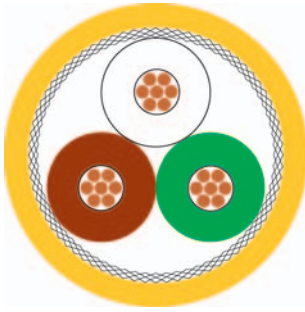


BUS Cables

SafetyBUS

HELUKABEL®

FRNC + PUR



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 3x0,75 mm² (stranded)

Copper, bare (AWG 18/24)
Foam-skin-PE
wh, bn, gn
Triple core
Polyester foil over stranded bundle
-
Cu braid, tinned
FRNC
app. 7,5 mm ± 0,3 mm
Yellow similar to RAL 1003

Drag chain applications 3x0,75 mm² (stranded)

Copper, bare (AWG 18)
Foam-skin-PE
wh, bn, gn
Triple core
Polyester foil over stranded bundle
-
Cu braid, tinned
PUR
app. 7,8 mm ± 0,2 mm
Yellow similar to RAL 1003

Electrical data

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

110 Ohm ± 10 Ohm
27,7 Ohm/km
5 GOhm x km
52 Ohm/km max.
45 nF/km nom.
250 V
3 kV
1 MHz < 1,6 dB/Km
5 MHz < 3,4 dB/Km
10 MHz < 5,6 dB/Km
16 MHz < 7,5 dB/Km

110 Ohm ± 10 Ohm
26 Ohm/km
5 GOhm x km
52 Ohm/km max.
45 nF/km nom.
250 V
3 kV
1 MHz < 1,6 dB/Km
5 MHz < 3,4 dB/Km
10 MHz < 5,6 dB/Km
16 MHz < 7,5 dB/Km

Technical data

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

app. 68 kg/km
75 mm
-25°C
+80°C
0,72 MJ/m
50,00 kg/km

app. 65 kg/km
80 mm
-30°C
+80°C
0,76 MJ/m
50,00 kg/km

Norms

Applicable standards:

abutted at SafetyBUS p technical guidelines
copper wires 1.0
Halogen-free acc. to 60754-2
Flame-retardant acc. to IEC 60332-3
-

abutted at SafetyBUS p technical guidelines
copper wires 1.0
Halogen-free acc. to 60754-2
Flame-retardant acc. to IEC 60332-1
CMX 75°C (shielded)

UL Style:

Application

HELUKABEL® SafetyBUS FRNC for fixed installation; the PU version is intended for use in cable carriers. Both versions are halogen-free.

Part no.

800651, SafetyBus p

800652, SafetyBus p

Dimensions and specifications may be changed without prior notice.