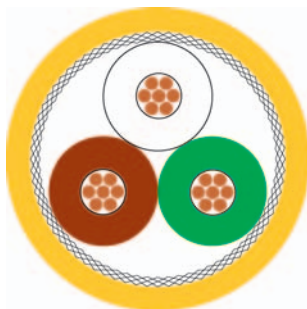


BUS Cables

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)
PO
wh, bn, gn
Triple core
Polyester foil over stranded bundle
-
Cu braid, tinned
FRNC
approx. 7,5 mm ± 0,3 mm
Yellow similar to RAL 1003

Drag chain applications 3x0,75 mm² (stranded)

Copper, bare (AWG 18/96)
PO
wh, bn, gn
Triple core
Polyester foil over stranded bundle
-
Cu braid, tinned
PUR
approx. 7,8 mm ± 0,3 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
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

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:

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

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

Norms

Applicable standards:
UL Style:

abutted at SafetyBUS p technical guidelines
copper wires 1.0
-

abutted at SafetyBUS p technical guidelines
copper wires 1.0
CMX 75°C (shielded)

Application

SafetyBUS p is an open bus system for the serial transfer of safety-related data. It is based on the CAN (Controller Area Network) protocol. From this technology benefit the users in several areas like the automotive industry or the process automation. The above mentioned types are suitable for fixed installations and as well as for drag chains (PUR).

Part no.

800651, SafetyBus p

800652, SafetyBus p

Dimensions and specifications may be changed without prior notice.