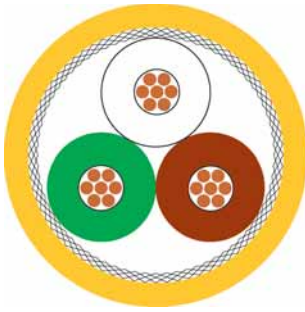


# BUS Cables

SafetyBUS fixed installed + high flexible

**HELUKABEL®**

FRNC + PUR



## Type

### Cable structure

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

### Fixed installation, indoor 3x0,75 mm<sup>2</sup> (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 mm<sup>2</sup> (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:

abuttet at SafetyBUS p technical guidelines  
copper wires 1.0  
Halogen-free acc. to 60754-1  
Flame-retardant acc. to IEC 60332-3  
-

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

UL Style:

## Application

HELUKABEL® SafetyBUS FRNC for fixed installation; the PUR 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.