



### 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 mm<sup>2</sup> (stranded)

Copper, bare (AWG 18/24)  
PP  
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 mm<sup>2</sup> (stranded)

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

### Electrical data

Characteristic impedance: 110 Ohm ± 10 Ohm  
Conductor resistance: 26,0 Ohm/km max.  
Insulation resistance: 0,20 GOhm x km min.  
Mutual capacitance: 45,0 nF/km nom.  
Nominal voltage: 250 V  
Test voltage: 3,0 kV  
Attenuation:  
1 MHz < 1,6 dB/Km  
5 MHz < 3,4 dB/Km  
10 MHz < 5,6 dB/Km  
16 MHz < 7,5 dB/Km

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16 MHz < 7,5 dB/Km

### Technical data

Weight: approx. 68,0 kg/km  
Min. bending radius for laying: 60,0 mm  
Operating temperature range min.: -25°C  
Operating temperature range max.: +80°C  
Caloric load, approx. value: 0,72 MJ/m  
Copper weight: 50,0 kg/km

Weight: approx. 65,0 kg/km  
Min. bending radius for laying: 60,0 mm  
Operating temperature range min.: -40°C  
Operating temperature range max.: +80°C  
Caloric load, approx. value: 0,76 MJ/m  
Copper weight: 50,0 kg/km

### Norms

Applicable standards: abutted at SafetyBUS p technical guidelines copper wires 1.0

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### 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

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Dimensions and specifications may be changed without prior notice.