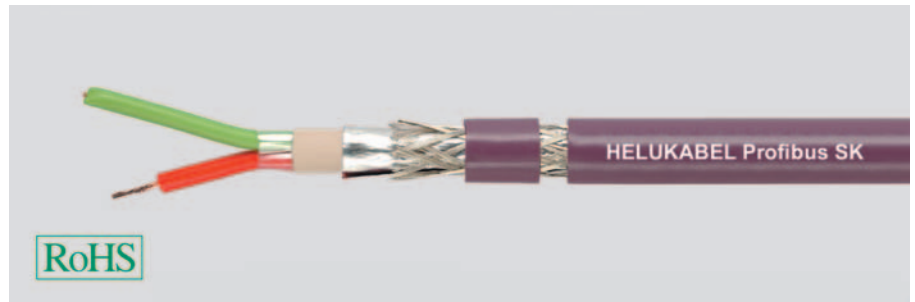
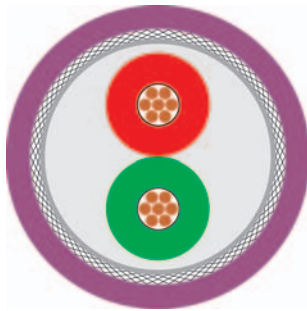


# BUS Cables

Profibus SK

**HELUKABEL**

Drag Chain



## Type Cable structure

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

## Drag chain applications 1x2x0.64 mm (stranded)

Copper, bare (AWG 24/19)  
Foam-skin-PE  
rd, gn  
Double core  
Polyester foil over stranded bundle  
PVC  
Polyester foil, aluminium-lined  
Cu braid, tinned  
PUR  
approx. 8,0 mm  $\pm$  0,4 mm  
Violet similar to RAL 4001

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Foam-skin-PE  
rd, gn  
Double core  
Polyester foil over stranded bundle  
PVC  
Polyester foil, aluminium-lined  
Cu braid, tinned  
PUR  
approx. 8,0 mm  $\pm$  0,4 mm  
Petrol similar to RAL 5018

## Electrical data

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

150 Ohm  $\pm$  10 %  
84 Ohm/km  
1 GOhm x km  
168 Ohm/km max.  
35 nF/km nom.  
1,5 kV  
9,6 kHz < 3,0 dB/km  
38,4 kHz < 5,0 dB/km  
4 MHz < 25,0 dB/km  
16 MHz < 52,0 dB/km

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4 MHz < 25,0 dB/km  
16 MHz < 52,0 dB/km

## Technical data

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

approx. 70 kg/km  
120 mm  
-40°C  
+70°C  
1,53 MJ/m  
25,00 kg/km

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120 mm  
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+70°C  
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## Norms

Applicable standards:  
UL Style:  
CSA standard:

Profibus acc. to DIN 19245 T3 and EN50170  
CMX 75°C (shielded)  
CSA FT1

Profibus acc. to DIN 19245 T3 and EN50170  
CMX 75°C (shielded)  
CSA FT1

## Application

The application of these Profibus SK cables are in the cell and field area, just as for conventional types. The great advantage of this new system is the quick connection of the cable to the respective plugs. This type of processing also avoids errors. The above mentioned types are suitable for drag chains (stranded).

## Part no.

**801659**, Profibus SK

**81906**, Profibus SK

Dimensions and specifications may be changed without prior notice.