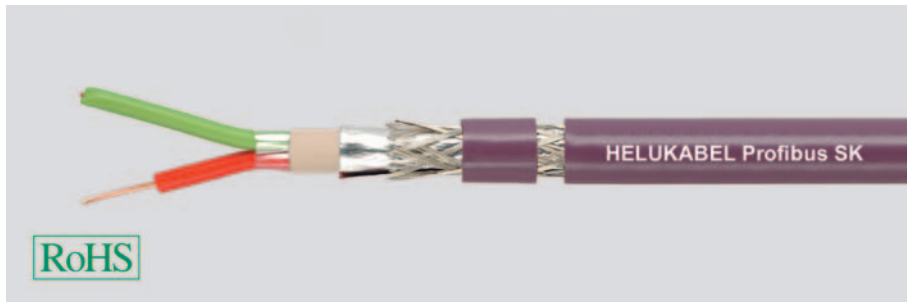
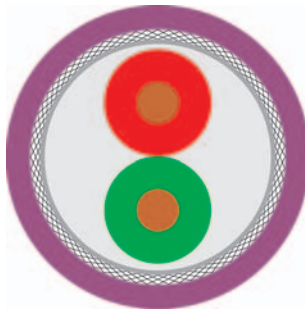


BUS Cables

Profibus SK



FRNC + Robust



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:

Fixed installation, indoor

1x2x0.64 mm

Copper, bare (AWG 22/1)
Foam-skin-PE
rd, gn
Double core
Polyester foil over stranded bundle
FRNC
Polyester foil, aluminium-lined
Cu braid, tinned
FRNC
approx. 8,0 mm \pm 0,4 mm
Violet similar to RAL 4001

Industrial Area

1x2x0.64 mm

Copper, bare (AWG 22/1)
Foam-skin-PE
rd, gn
Double core
Polyester foil over stranded bundle
PE
Polyester foil, aluminium-lined
Cu braid, tinned
PUR
approx. 8,0 mm \pm 0,4 mm
Violet similar to RAL 4001

Electrical data

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

150 Ohm \pm 10 %
55 Ohm/km
1 GOhm x km
110 Ohm/km max.
35 nF/km nom.
1,5 kV
9,6 kHz < 2,5 dB/km
38,4 kHz < 4,0 dB/km
4 MHz < 22,0 dB/km
16 MHz < 42,0 dB/km

150 Ohm \pm 10 %
55 Ohm/km
1 GOhm x km
110 Ohm/km max.
35 nF/km nom.
1,5 kV
9,6 kHz < 2,5 dB/km
38,4 kHz < 4,0 dB/km
4 MHz < 22,0 dB/km
16 MHz < 42,0 dB/km

Technical data

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

approx. 73 kg/km
160 mm
-25°C
+70°C
1,203 MJ/m
24,00 kg/km

approx. 71 kg/km
120 mm
-40°C
+70°C
1,574 MJ/m
24,00 kg/km

Norms

Applicable standards:
UL Style:
CSA standard:

Profibus acc. to DIN 19245 T3 and EN50170
CM 750C (shielded)
-

Profibus acc. to DIN 19245 T3 and EN50170
AWM Style 20236 AWM I/II A/B 80°C 30V FT1
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 types mentioned here are suitable for indoor laying (special FRNC sheath) and heavy industry laying (PUR sheath).

Part no.

81501, Profibus SK

81905, Profibus SK

Dimensions and specifications may be changed without prior notice.