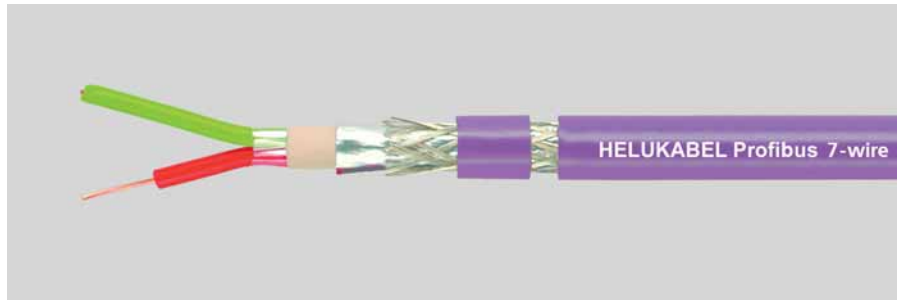
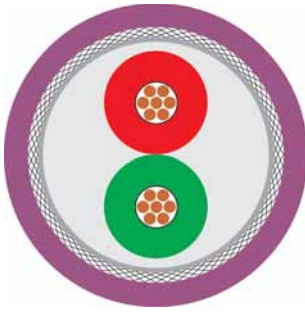


BUS Cables

Profibus SK 7-wire



PVC + FRNC



Type

Cable structure

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

Mobile use

1x2x0.64 mm (stranded)

Copper, bare (AWG 24/7)
Foam-skin-PE
rd, gn
Double core
Polyester foil over stranded bundle
PVC
Al-Foil
Cu braid, tinned
PVC
app. 8,0 mm ± 0,5 mm
Violet similar to RAL 4001

Mobile use

1x2x0.64 mm (stranded)

Copper, bare (AWG 24/7)
Foam-skin-PE
rd, gn
Double core
Polyester foil over stranded bundle
FRNC
Al-Foil
Cu braid, tinned
FRNC
app. 8,0 mm ± 0,5 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 ± 10 %
93 Ohm/km
5 GOhm x km
186 Ohm/km max.
30 nF/km nom.
1,5 kV
9,6 kHz < 2,9 dB/km
38,4 kHz < 4,6 dB/km
4 MHz < 25,0 dB/km
16 MHz < 49,0 dB/km

150 Ohm ± 10 %
93 Ohm/km
5 GOhm x km
186 Ohm/km max.
30 nF/km nom.
1,5 kV
9,6 kHz < 2,9 dB/km
38,4 kHz < 4,6 dB/km
4 MHz < 25,0 dB/km
16 MHz < 49,0 dB/km

Technical data

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

app. 70 kg/km
64 mm
-40°C
+80°C
1,20 MJ/m
26,00 kg/km

app. 70 kg/km
64 mm
-5°C
+50°C
1,47 MJ/m
26,00 kg/km

Norms

Applicable standards:
UL Style:

Profibus acc. to DIN 19245 T3 and EN50170
Flame-retardant CSA FT4
CMG FT4

Profibus acc. to DIN 19245 T3 and EN50170
Flame-retardant acc. to IEC 60332-1-2
-

Application

HELUKABEL® Profibus SK 7-wire for mobile applications in Profibus industrial networks. With its core design and the special PVC sheath, the type described here is suitable for normal mobile applications. The cable is optimized for use of the fast contact stripping tool. The FRNC edition fulfills the parameter halogen free.

Part no.

805656, Profibus SK 7-wire PVC

805657, Profibus SK 7-wire FRNC

Dimensions and specifications may be changed without prior notice.