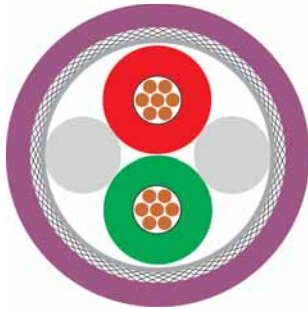


BUS Cables

Profibus L2 7-wire

HELUKABEL®

PVC



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:

Mobile use

1x2x0.64 mm (stranded)

Copper, bare (AWG 24/7)
Foam-skin-PE
rd, gn
2 cores + 2 fillers stranded together
Polyester foil over stranded bundle
Al-Foil
Cu braid, tinned
PVC
app. 7,8 mm ± 0,3 mm
Violet similar to RAL 4001

Electrical data

Characteristic impedance: 150 Ohm ± 10 %
Conductor resistance, max.: 80 Ohm/km
Insulation resistance, min.: 2 GOhm x km
Loop resistance: 160 Ohm/km max.
Mutual capacitance: 30 nF/km nom.
Test voltage: 1,5 kV
Attenuation: 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: app. 70 kg/km
bending radius, repeated: 94 mm
Operating temperature range min.: -30°C
Operating temperature range max.: +80°C
Caloric load, approx. value: 1,20 MJ/m
Copper weight: 24,00 kg/km

Norms

Applicable standards: Profibus acc. to DIN 19245 T3 and EN50170
Flame-retardant acc. IEC 60332-2-1
UL Style: UL Style 2571

Application

HELUKABEL® Profibus L2 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.

Part no.

800648, Profibus L2

Dimensions and specifications may be changed without prior notice.