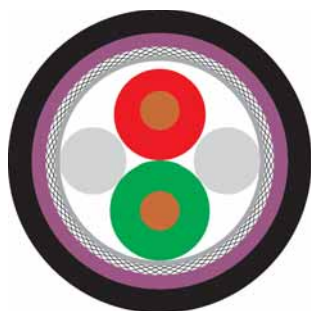


BUS Cables

Profibus L2 direct Burial without + with Armouring



Type Cable structure

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

Direct burial 1x2x0.64 mm

Copper, bare (AWG 22/1)
Foam-skin-PE
rd, gn
2 cores + 2 fillers stranded together
Polyester foil over stranded bundle
PVC
Al-Foil
Cu braid, tinned
-
PE
app. 10,0 mm ± 0,2 mm
Black similar to RAL 9005

Direct burial 1x2x0.64 mm

Copper, bare (AWG 22/1)
Cell PE
rd, gn
2 cores + 2 fillers stranded together
-
PVC
Al-Foil
Cu braid, tinned
Steel band
PE
app. 10,6 mm ± 0,5 mm
Black similar to RAL 9005

Electrical data

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

150 Ohm ± 10 %
55 Ohm/km
1 GOhm x km
110 Ohm/km max.
30 nF/km nom.
-
1,5 kV
9,6 kHz < 2,5 dB/km
38,4 kHz < 4,0 dB/km
3 MHz < 22,0 dB/km
20 MHz < 42,0 dB/km

150 Ohm ± 10 %
55 Ohm/km
5 GOhm x km
110 Ohm/km max.
30 nF/km nom.
250 V
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:

app. 92 kg/km
150 mm
-40°C
+80°C
2,657 MJ/m
24,00 kg/km

app. 132 kg/km
165 mm
-40°C
+80°C
2,40 MJ/m
24,00 kg/km

Norms

Applicable standards:

Profibus acc. to DIN 19245 T3 and EN50170

Profibus acc. to DIN 19245 T3 and EN50170

Application

HELUKABEL® Profibus L2 Direct Burial cables without + with armouring are special cables in the Profibus industrial networks. The version without armouring is for normal and direct cable burial in the ground. The version with steel tape armouring offers additional protection against rodents and is the right choice for regions with such animals.

Part no.

82824, Profibus ERD

802177, Profibus L2

Dimensions and specifications may be changed without prior notice.