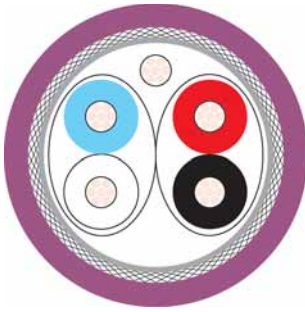


BUS Cables

DeviceNet™ high flexible thick + thin

HELUKABEL®

PUR, high flexible



Type Cable structure

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

Drag chain applications 1x2xAWG18 + 1x2xAWG15

Copper, tinned (AWG 18/40)
Copper, tinned (AWG 15/84)
Cell PE
PE
light bu, wh
rd, bk
Double core
-
Al-Foil
Cu braid, tinned
yes
PUR
app. 12,2 mm ± 0,3 mm
Violet similar to RAL 4001

Drag chain applications 1x2xAWG24 + 1x2xAWG22

Copper, tinned (AWG 24/19)
Copper, tinned (AWG 22/19)
Cell PE
PE
light bu, wh
rd, bk
Double core
-
Al-Foil
Cu braid, tinned
yes
PUR
app. 6,9 mm ± 0,3 mm
Violet similar to RAL 4001

Electrical data

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

120 Ohm ± 10 %
22,6 Ohm/km
0,2 GOhm x km
45,2 Ohm/km max.
39,8 nF/km nom.
2 kV
125 kHz < 4.1 dB/km
500 kHz < 8.2 dB/km

120 Ohm ± 10 %
90 Ohm/km
0,2 GOhm x km
45,2 Ohm/km max.
39,8 nF/km nom.
2 kV
125 kHz < 9.5 dB/km
500 kHz < 16.4 dB/km

Technical data

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

app. 185 kg/km
200 mm
-40°C
+80°C
2,54 MJ/m
90,00 kg/km

app. 68 kg/km
70 mm
-40°C
+80°C
0,76 MJ/m
35,00 kg/km

Norms

Applicable standards:

ODVA DeviceNet
Halogen-free acc. to 60754-1
Flame-retardant acc. IEC 60332-2-1
CMX 75°C CL2X

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Application

HELUKABEL® DeviceNet™ PUR highly flexible for use in cable carriers with outstanding resistance to common coolants/lubricants. The special aspect of this bus system is that a data pair and a power supply pair are **always** integrated in one cable. The small cross-section is used for short distances or as a point-to-point connection; the large cross-section as main conductor for long distances and frequently in combination with the thin conductor as drain wire.

Part no.

81909, DeviceNet PUR

81910, DeviceNet PUR

Dimensions and specifications may be changed without prior notice.