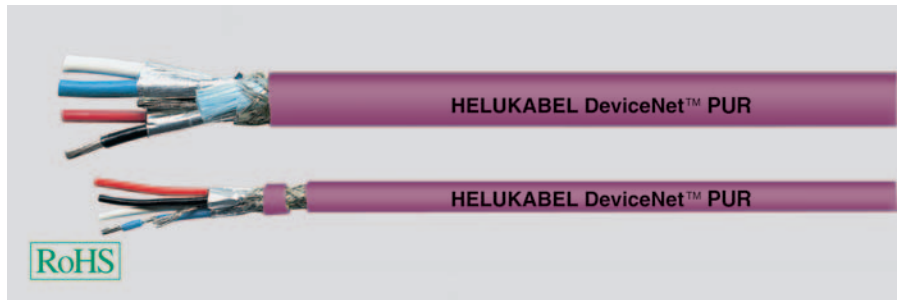
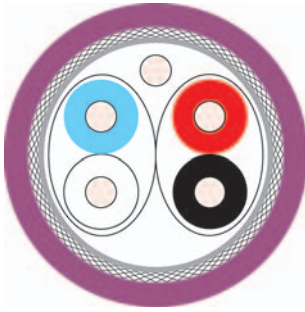


BUS Cables

DeviceNet™

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:
Shielding 1:
Shielding 2:
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
-
Polyester foil, aluminium-lined
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
-
Polyester foil, aluminium-lined
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 Ohm/km max.
39,8 nF/km nom.
2 kV
125 kHz < 0,41 dB/100m
500 kHz < 0,82 dB/100m

120 Ohm ± 10 %
90 Ohm/km
0,2 GOhm x km
45 Ohm/km max.
39,8 nF/km nom.
2 kV
125 kHz < 0,95 dB/100m
500 kHz < 1,64 dB/100m

Technical data

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

app. 185 kg/km
61 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 60754-2
Flame-retardant acc. to EN 50265-2-1
CMX 75°C CL2X

ODVA DeviceNet™
Halogen-free acc. to 60754-2
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CMX 75°C CL2X

Application

HELUKABEL® DeviceNet™ PU 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.