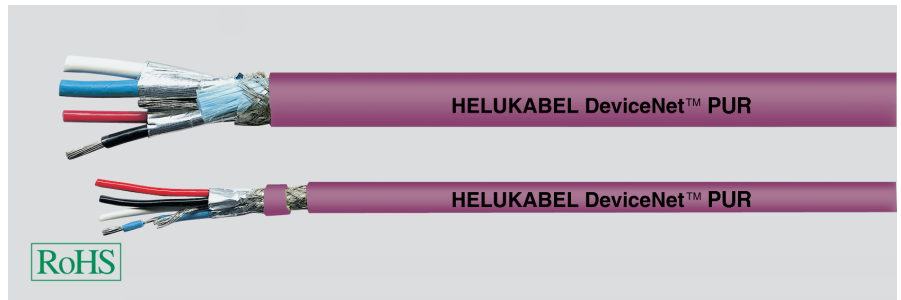
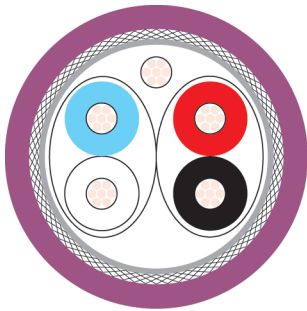


BUS Cables

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:

Electrical data

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

Technical data

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

Norms

Applicable standards:

UL Style:

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.

Dimensions and specifications may be changed without prior notice.

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

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 < 4.1 dB/km
500 kHz < 8.2 dB/km

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

ODVA DeviceNet
Halogen-free acc. to 60754-2
Flame-retardant acc. to EN 50265-2-1
CMX 75°C CL2X

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

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

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

ODVA DeviceNet
Halogen-free acc. to 60754-2
Flame-retardant acc. to EN 50265-2-1
CMX 75°C CL2X

81909, DeviceNet PUR

81910, DeviceNet PUR