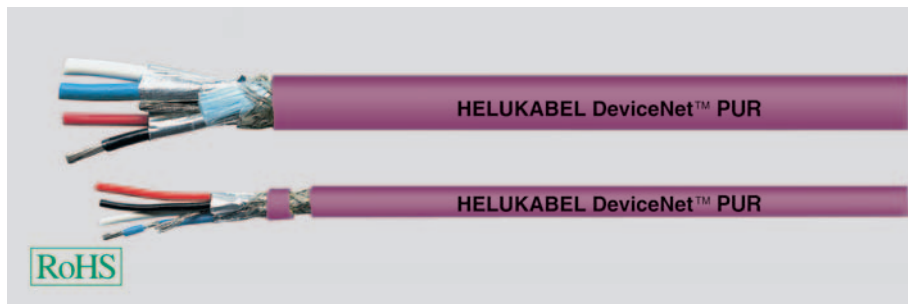
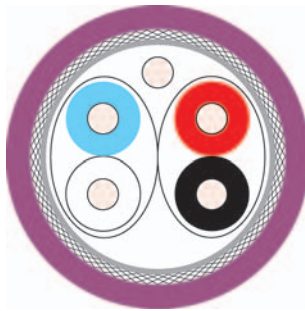


BUS Cables

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
Cell PE
light bu, wh
rd, bk
Double core
-
Polyester foil, aluminium-lined
Cu braid, tinned
yes
PUR
approx. 12,0 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
Cell PE
light bu, wh
rd, bk
Double core
-
Polyester foil, aluminium-lined
Cu braid, tinned
yes
PUR
approx. 7,0 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:

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

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

Norms

Applicable standards:
UL Style:

ODVA DeviceNet
CMX 75°C CL2X

ODVA DeviceNet
CMX 75°C CL2X

Application

DeviceNet™ is a bus system developed by Allen Bradley (Rockwell Automation). These cables are used to interconnect various industrial devices, such as SPS controls or limit switches. The special characteristic of this bus system is that a data pair and a power supply pair are integrated in one cable. These cables with PUR sheath are designed for highly flexible applications.

Part no.

81909, DeviceNet PUR

81910, DeviceNet PUR

Dimensions and specifications may be changed without prior notice.