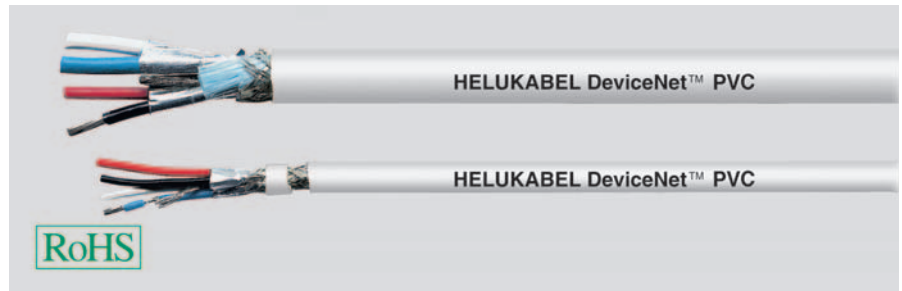
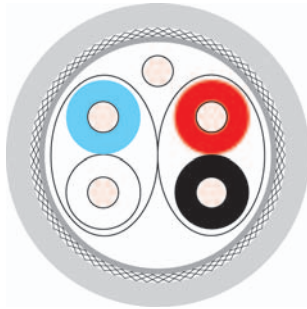


# BUS Cables

DeviceNet™

**HELUKABEL®**

PVC



## 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:

## 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:  
CSA standard:

## Application

HELUKABEL® DeviceNet™ PVC for fixed installation. 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.

## Fixed installation, indoor 1x2xAWG18 + 1x2xAWG15

Copper, tinned (AWG 18/19)  
Copper, tinned (AWG 15/19)  
Foam-skin-PE  
PVC  
light bu, wh  
rd, bk  
Double core  
-  
Polyester foil, aluminium-lined  
Cu braid, tinned  
yes  
PVC  
app. 12,2 mm ± 0,3 mm  
Grey

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 < 0,42 dB/100m  
500 kHz < 0,81 dB/100m

app. 192 kg/km  
190 mm  
-20°C  
+80°C  
2,92 MJ/m  
88,00 kg/km

ODVA DeviceNet™  
Flame-retardant acc. to EN 50265-2-1  
CMG 75°C PLTC FT4  
CEC: CMG FT4

## Fixed installation, indoor 1x2xAWG24 + 1x2xAWG22

Copper, tinned (AWG 24/19)  
Copper, tinned (AWG 22/19)  
Foam-skin-PE  
PVC  
light bu, wh  
rd, bk  
Double core  
-  
Polyester foil, aluminium-lined  
Copper shifting, tinned  
yes  
PVC  
app. 6,9 mm ± 0,3 mm  
Grey

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

app. 67 kg/km  
110 mm  
-20°C  
+80°C  
0,91 MJ/m  
35,00 kg/km

ODVA DeviceNet™  
Flame-retardant acc. to EN 50265-2-1  
CMG 75°C PLTC FT4  
CSA FT 4

**800683**, DeviceNet™ PVC

**800684**, DeviceNet™ PVC

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