



## 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:  
Insulation resistance:  
Mutual capacitance:  
Test voltage:  
Attenuation:

120 Ohm ± 10 %  
22,6 Ohm/km max.  
0,20 GOhm x km min.  
39,8 nF/km nom.  
2,0 kV  
125 kHz < 0,41 dB/100m  
500 kHz < 0,82 dB/100m

120 Ohm ± 10 %  
90,0 Ohm/km max.  
0,20 GOhm x km min.  
39,8 nF/km nom.  
2,0 kV  
125 kHz < 0,95 dB/100m  
500 kHz < 1,64 dB/100m

## Technical data

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

approx. 185,0 kg/km  
61,0 mm  
-40°C  
+80°C  
2,54 MJ/m  
90,0 kg/km

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

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