



## 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:

## Fixed installation, indoor 1x2xAWG18 + 1x2xAWG15

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

## Fixed installation, indoor 1x2xAWG24 + 1x2xAWG22

Copper, tinned (AWG 24/19)  
Copper, tinned (AWG 22/19)  
PE  
PVC  
light bu, wh  
rd, bk  
Double core  
-  
Polyester foil, aluminium-lined  
Cu braid, tinned  
yes  
PVC  
7,0 mm ± 0,3 mm  
Grey

## 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.  
39,0 nF/km nom.  
2,0 kV  
125 kHz < 0,43 dB/100m  
500 kHz < 0,82 dB/100m

120 Ohm ± 10 %  
90,0 Ohm/km max.  
0,20 GOhm x km min.  
39,0 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 value:

approx. 192,0 kg/km  
190,0 mm  
-20 °C  
+70 °C  
2,86 MJ/m  
71,2 kg/km

approx. 67,0 kg/km  
110,0 mm  
-20 °C  
+70 °C  
0,87 MJ/m  
28,1 kg/km

## Norms

Applicable standards:  
UL Style:  
CSA standard:

ODVA DeviceNet  
CMG PLTC  
CEC: CMG FT4

ODVA DeviceNet  
CL2 CMG  
CEC: CMG FT4

## 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 PVC sheath are designed for fixed installation.

## Part no.

**81210**, DeviceNet PVC

**81313**, DeviceNet PVC