



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)
Cell PE
Cell PE
light bu, wh
rd, bk
Double core
-
Polyester foil, aluminium-lined
Cu braid, tinned
yes
FRNC
approx. 12,2 mm ± 0,3 mm
Violet similar to RAL 4001

Fixed installation, indoor 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
FRNC
approx. 6,9 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.
39,0 nF/km nom.
2,0 kV
125 kHz < 0.42 dB/100m
500 kHz < 0.81 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. 195,0 kg/km
190,0 mm
-25°C
+80°C
2,73 MJ/m
85,0 kg/km

approx. 70,0 kg/km
110,0 mm
-25°C
+80°C
0,82 MJ/m
34,0 kg/km

Norms

Applicable standards:
UL Style:
CSA standard:

ODVA DeviceNet
CL2 CMG
CEC: CMG FT4

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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 FRNC sheath are designed for fixed installation.

Part no.

800681, DeviceNet FRNC

800682, DeviceNet FRNC

Dimensions and specifications may be changed without prior notice.