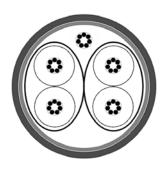


**RoHS** 

DeviceNet™ FRNC



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

Attenuation:

#### **Technical data**

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

Copper weight:

#### Norms

Applicable standards: **ODVA DeviceNet ODVA DeviceNet** CL2 CMG CL2 CMG UL Style: CSA standard: CEC: CMG FT4 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.



# 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

Polvester foil, aluminium-lined

Cu braid, tinned

ves **FRNC** 

> approx.  $12,2 \text{ mm} \pm 0,3 \text{ mm}$ Violet similar to RAL 4001

120 Ohm ± 10 % 22,6 Ohm/km max. 0,20 G0hm x km min. 39.0 nF/km nom.

2,0 kV

125 kHz < 0.42 dB/100m 500 kHz < 0.81 dB/100m

approx. 195,0 kg/km 190,0 mm -25°C +80°C 2,73 MJ/m 85,0 kg/km

# 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

Polvester foil, aluminium-lined

Cu braid, tinned

ves

FRNC

approx.  $6.9 \text{ mm} \pm 0.3 \text{ mm}$ Violet similar to RAL 4001

120 Ohm ± 10 % 90,0 0hm/km max. 0,20 G0hm x km min. 39,8 nF/km nom.

2,0 kV

125 kHz < 0.95 dB/100m500 kHz < 1.64 dB/100m

approx. 70,0 kg/km 110,0 mm

-25°C +80°C 0,82 MJ/m 34,0 kg/km





