



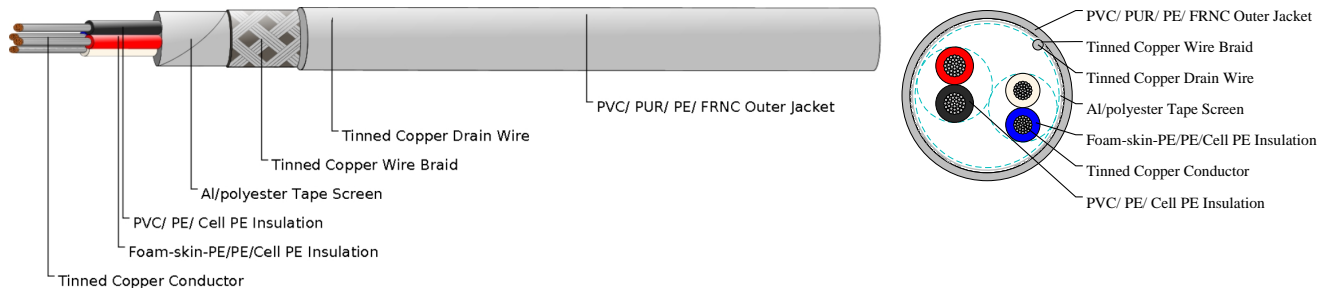
Caledonian

Bus Cables

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DeviceNet™ 1P0.96mm²+1P1.53mm²



APPLICATIONS

DeviceNet™ communication link is based on proven CAN technology. 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 jacket are designed for fixed installation.

CABLE CONSTRUCTION

Conductor (data pair): Tinned copper conductor(AWG 18/19)
Conductor (power pair): Tinned copper conductor(AWG 15/19)
Insulation(data pair): Foam-skin-PE/PE/Cell PE
Insulation (power pair):PVC/ PE/ Cell PE
Stranding Element:Double conductor
Shielding:Polyester foil, aluminum lined
Drain Wire:Tinned Copper Drain Wire
Total Shielding:Copper braid, tinned
Outer Jacket: PVC/ PUR/ PE/ FRNC

COLOUR CODE

Insulation Colors 1:Light Blue, White
Insulation Colors 2:Red, Black
Outer Jacket Color:Grey/ Violet/ Yellow

PHYSICAL AND THERMAL PROPERTIES

Characteristic Impedance@1MHz:120 Ω ± 10 Ω
Conductor Resistance:22.6 Ohm/km max
Insulation Resistance:0.20 GOhm x km min
Mutual Capacitance@800MHz:39.8 nF/km nom
Working Voltage Max:300 V
Test Voltage:2 KV
Min. Bending Radius (Laying):10 x OD mm
Operating Temp.Range,min.: -20 °C
Operating Temp.Range,max.: +80 °C



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DIMENSION AND PARAMETERS

Cable Construction	Approx. Overall Diameter	Approx. Weight
	mm	kg/km
1x2x0.96mm ² +1x2x1.53mm ²	12±0.3	195