



Product: [123082F](#)

DeviceBus®, 2 Pr #15+18 Str TC, PVC+FPE Ins, IS+OA TC Brd, PVC Jkt, AIA Armor, PVC Jkt, Flexible, CMG PLTC

Product Description

DeviceBus® for ODVA DeviceNet™, 2 Pair 15+18AWG (65x33+65x36) Tinned Copper, PVC+Foam PE Insulation, Individual Beldfoil® & OA Tinned Copper Braid(65%) Shield, PVC Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, Flexible, CMG PLTC

Technical Specifications

Suitable Applications:	exposure to rodent, crush, or cut through force, harsh environment, ODVA device-level communication, used with CIP (common Industrial Protocol) for control, configuration, and data collection between devices, such as sensors and actuators, and higher level devices such as PLC, and PC in industrial automation, bus topology, etc.
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Conductor

Element	Number of Element	AWG	Stranding	Material
Power Pair(s)	1	15	65x33	TC - Tinned Copper
Data Pair(s)	1	18	65x36	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code	Notes
Power Pair(s)	PVC - Polyvinyl Chloride	0.021 in	Red & Black	
Data Pair(s)	PE - Polyethylene (Foam)	0.053 in	Blue & White	HDPE

Inner Shield Material

Element	Shield Type	Material	Coverage
Power Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%
Data Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%

Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Braid	Tinned Copper (TC)	65%	18 AWG (65x36) TC

Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.480 in

Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in	0.779 in

Cable Diameter (Nominal):	0.779 in
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Electricals

Element	Characteristic Impedence	Nom. Velocity of Prop.
Power Pair(s)		
Data Pair(s)	120 Ohm	75%

High Freq

Element

Data Pair(s)

Voltage

UL Voltage Rating
300 V (CMG, PLTC)

Temperature

UL Rating
75°C

Environmental Suitability:	Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 800, CMG, PLTC
CEC / C(UL) Compliance:	CMG HLBCD
Update and Revision:	Revision Number: 0.36 Revision Date: 09-30-2020

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