



Product: [133083A](#)

DeviceBus®, 2 Pr #15+18 Str TC, PVC+FPE Ins, IS+OA TC Brd, CPE Jkt, SIA Armor, PVC Jkt, CM PLTC

Product Description

DeviceBus® for ODVA DeviceNet™, 2 Pair 15+18AWG (19x27+19x30) Tinned Copper, PVC+Foam PE Insulation, Individual Beldfoil® & OA Tinned Copper Braid(65%) Shield, CPE Inner Jacket, Steel Interlock Armor, PVC Outer Jacket, CM 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	19x27	TC - Tinned Copper
Data Pair(s)	1	18	19x30	TC - Tinned Copper

Insulation

Element	Material	Thickness [in.]	Color Code	Notes
Power Pair(s)	PVC - Polyvinyl Chloride	0.021	Red & Black	
Data Pair(s)	PE - Polyethylene (Foam)	0.053	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 (19x30) TC

Inner Jacket Material

Material	Nom. Diameter
CPE - Chlorinated Polyethylene	0.476 in

Armor

Armor Type & Material
SIA - Steel Interlock Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in	0.772 in

Cable Diameter (Nominal):	0.772 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 (CM, PLTC)

Temperature

UL Rating

75°C

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

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