



Product: [187897A](#)

DeviceBus®, 2 Pr #15+18 Str TC, PVC-NYL + FEP Ins, IS+OA TC Brd, PVC Jkt, CCA Armor, PVC Jkt, CSA HL

Product Description

DeviceBus® for ODVA DeviceNet™, 2 Pair 15+18AWG (19x27+19x30) Tinned Copper, PVC-NYL + FEP Insulation, Individual Beldfoil® & OA Tinned Copper Braid(65%) Shield, PVC Inner Jacket, Continuously Corrugated Aluminum Armor, PVC Outer Jacket, CSA HL

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	Color Code
Power Pair(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.026 in	Red & Black
Data Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.050 in	Blue & White

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
PVC - Polyvinyl Chloride	0.460 in

Armor

Armor Type & Material
CCA - Continuously Corrugated Aluminum Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.050 in	0.775 in

Cable Diameter (Nominal):	0.775 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)

Temperature

UL Rating

75°C Dry

Environmental Suitability:	Sunlight Resistance
AWM Compliance:	CMG HL
Update and Revision:	Revision Number: 0.37 Revision Date: 09-30-2020

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