



**Product:** [123084F](#)

DeviceBus®, 2 Pr #22+24 Str TC, PVC+FPE Ins, IS+OA TC Brd, PVC Jkt, AIA Armor, PVC Jkt, Flexible, CMG, CL2

### Product Description

DeviceBus® for ODVA DeviceNet™, 2 Pair 22+24AWG (154x44+105x44) 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, CL2

### 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	22	154x44	TC - Tinned Copper
Data Pair(s)	1	24	105x44	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code
Power Pair(s)	PVC - Polyvinyl Chloride	0.016 in	Red & Black
Data Pair(s)	PE - Polyethylene (Foam)	0.026 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%	22 AWG (26x36) TC

#### Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.275 in

#### Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in	0.573 in

Cable Diameter (Nominal):	0.573 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
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Data Pair(s)

**Voltage**

UL Voltage Rating

300 V (CMG)

**Temperature**

UL Rating

75°C

Environmental Suitability:	Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 800, CL2, CMG
CEC / C(UL) Compliance:	CMG HLBCD
Update and Revision:	Revision Number: 0.35 Revision Date: 09-30-2020

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