



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

Product Overview

| | |
|------------------------|---|
| 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. |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------------|-----------------|--------|-----------|--------------------|
| Power Pair(s) | 1 | 22 AWG | 154x44 | TC - Tinned Copper |
| Data Pair(s) | 1 | 24 AWG | 105x44 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|---------------|--------------------------|--------------------|--------------|
| Power Pair(s) | PVC - Polyvinyl Chloride | 0.016 in (0.41 mm) | Red & Black |
| Data Pair(s) | PE - Polyethylene (Foam) | 0.026 in (0.66 mm) | Blue & White |

Inner Shield

| 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

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|--------------------|----------|-------------------|
| Braid | Tinned Copper (TC) | 65% | 22 AWG (26x36) TC |

Inner Jacket

| Material | Nom. Diameter |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.275 in (6.99 mm) |

Armor

| Armor Type & Material |
|--------------------------------|
| AIA - Aluminum Interlock Armor |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.045 in (1.1 mm) | 0.573 in (14.6 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.573 in (14.6 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

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

High Frequency

| Element |
|--------------|
| Data Pair(s) |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V (CMG) |

Mechanical Characteristics

Temperature

| UL Temperature |
|----------------|
| 75°C |

Standards and Compliance

| | |
|----------------------------|------------------------------------|
| Environmental Suitability: | Outdoor, Sunlight Resistance |
| NEC / UL Compliance: | Article 725, Article 800, CL2, CMG |
| CEC / C(UL) Compliance: | CMG HLBCD |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.57 Revision Date: 12-22-2023 |
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