



Product: [539841](#)

RS485, 1 Pr #24 Str TC, PE Ins, OS+TC Brd, PVC Jkt, SIA Armor, PE Jkt



Product Description

RS-485, 1 Pair 24AWG (7x32) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(90%) Shield, PVC Inner Jacket, Steel Interlock Armor, PE Outer Jacket

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | exposure to rodent, crush, or cut through force, burial, POS, serial communication (RS-485 standard) comprising of PLCs, VFDs, HMIs, motors, RTU, SCADA, etc. within noisy environments over long distance, outdoor such as solar, lighting, etc. |
|------------------------|---|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|---------|-------------------|--------------------|---------------------------------------|
| Pair(s) | PE - Polyethylene | 0.023 in (0.58 mm) | White/Blue Stripe & Blue/White Stripe |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |
| Braid | Tinned Copper (TC) | 90% | |

Inner Jacket

| Material | Nom. Diameter |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.232 in (5.89 mm) |

Armor

| Armor Type & Material |
|-----------------------------|
| SIA - Steel Interlock Armor |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|-------------------|-------------------|--------------------|
| PE - Polyethylene | 0.045 in (1.1 mm) | 0.522 in (13.3 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.522 in (13.3 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Characteristic Impedence |
|---------|-------------------------------|
| Pair(s) | 120 Ohm |

High Frequency (Nominal/Typical)

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

Standards and Compliance

| | |
|----------------------------|---------------------|
| Environmental Suitability: | Sunlight Resistance |
|----------------------------|---------------------|

History

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| Update and Revision: | Revision Number: 0.56 Revision Date: 05-31-2024 |
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