



Product: [139844](#)

RS485, 4 Pr #24 Str TC, PE Ins, OS+TC Brd, PVC Jkt, SIA Armor, PVC Jkt, CM

Product Description

RS-485, 4 Pair 24AWG (7x32) Tinned Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(90%) Shield, PVC Inner Jacket, Steel Interlock Armor, PVC Outer Jacket, CM

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) | 4 | 24 AWG | 7x32 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code |
|---------|-------------------|--------------------|--|
| Pair(s) | PE - Polyethylene | 0.022 in (0.56 mm) | White/Blue Stripe & Blue/White Stripe, White/Orange Stripe & Orange/White Stripe, White/Green Stripe & Green/White Stripe, White/Brown Stripe & Brown/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 | 0.390 in (9.91 mm) |

Armor

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

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.050 in (1.3 mm) | 0.680 in (17.3 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.680 in (17.3 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

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

High Frequency (Nominal/Typical)

| Element |
|---------|
|---------|

Pair(s)

Voltage

UL Voltage Rating

300 V (CM)

Mechanical Characteristics

Table Notes: -40C CSA

Standards and Compliance

Environmental Suitability: Outdoor, Sunlight Resistance

NEC / UL Compliance: Article 800, CM

CEC / C(UL) Compliance: CMG

History

Update and Revision: Revision Number: 0.54 Revision Date: 12-22-2023

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