



Product: [129463D](#)

Blue Hose®, 1 Pr #20 Str TC, PE Ins Blu,Clr, Foil+TC Brd, PE Inner Jkt, AIA Armor, PVC Jkt

Product Description

Blue Hose® for Data Highway Plus, 1 Pair 20AWG (7x28) Tinned Copper, PE Insulation Blue & Clear, Overall Beldfoil®+Tinned Copper Braid(55%) Shield, PE Inner Jacket, Aluminum Interlock Armor, Blue PVC Outer Jacket

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | exposure to rodent, crush, or cut through force, harsh environment, Allen Bradley Data Highway communication interface between PLC processors, I/O devices, operator interfaces, computers and other intelligent devices, PLC processor interlocking, peer-to-peer messaging, remote programming, troubleshooting, I/O updates, etc. |
|------------------------|--|

Construction Details

Conductor

| Element | No. of Elements | Size | Stranding | Material |
|---------|-----------------|--------|-----------|--------------------|
| Pair(s) | 1 | 20 AWG | 7x28 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Color Code | Notes |
|---------|-------------------|--------------------|--------------|-------------------------|
| Pair(s) | PE - Polyethylene | 0.019 in (0.48 mm) | Clear & Blue | Twinax with rod fillers |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 20 AWG (7x28) TC |
| Braid | Tinned Copper (TC) | 55% | |

Inner Jacket

| Material | Nom. Diameter |
|--------------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.240 in (6.10 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) | 0.520 in (13.2 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.520 in (13.2 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Characteristic Impedance | Nom. Velocity of Prop. |
|---------|-------------------------------|------------------------|
| Pair(s) | 78 Ohm | 66% |

High Frequency (Nominal/Typical)

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

History

Update and Revision: Revision Number: 0.55 Revision Date: 05-31-2024

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