



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.
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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)
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Electrical Characteristics

Electricals

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

High Frequency (Nominal/Typical)

Element
Pair(s)

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