



**Product:** [639463](#)

Blue Hose®, 1 Pr #20 Str TC, PE Ins Blu, Clr, Foil+TC Brd, PVC Jkt, SIA Armor, PVC Jkt, OIL RES II

### 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, PVC Inner Jacket, Steel Interlock Armor, Blue Oil Res 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	0.238 in (6.05 mm)

##### Armor

Armor Type & Material
SIA - Steel Interlock Armor

##### Outer Jacket

Material
PVC - Polyvinyl Chloride

#### Electrical Characteristics

##### Electricals

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

##### High Frequency (Nominal/Typical)

Element
Pair(s)

## History

Update and  
Revision:

Revision Number: 0.48 Revision Date: 02-15-2024

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