



Product: [123072F](#)

Blue Hose®, 1 Pr #18 Str TC, PP Ins, OS+TC Brd, PVC Jkt, AIA Armor, PVC Jkt, PLTC

Product Description

Blue Hose® for Data Highway Plus, 1 Pair 18AWG (7x26) Tinned Copper, Polypropylene Insulation, Overall Beldfoil®+Tinned Copper Braid(55%) Shield, PVC Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, PLTC

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	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Pair(s)	PP - Polypropylene	0.025 in (0.64 mm)	Blue & White	Flame Retardant

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	0.324 in (8.23 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)	0.617 in (15.7 mm)

Overall Cable Diameter (Nominal):	0.617 in (15.7 mm)
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Electrical Characteristics

Electricals

Element	Nom. Characteristic Impedance	Nom. Velocity of Prop.
Pair(s)	78 Ohm	65%

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating

300 V (CM, PLTC), 150 V (ITC)

Mechanical Characteristics

Temperature

UL Temperature

75°C Dry

Table Notes: -40C

Standards and Compliance

Environmental Suitability: Outdoor, Sunlight Resistance

NEC / UL Compliance: Article 725, Article 727, Article 800, CM, ITC, PLTC

CEC / C(UL) Compliance: CMG HL

History

Update and Revision: Revision Number: 0.64 Revision Date: 02-15-2024

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