



Product: [123072E](#)

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

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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Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	18	7x26	TC - Tinned Copper

Insulation

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

Outer Shield Material

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

Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.324 in

Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in	0.617 in

Cable Diameter (Nominal):	0.617 in
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Electricals

Element	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)

Temperature

UL Rating

75°C Dry

Table Notes:	-40C
Environmental Suitability:	Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 727, Article 800, CM, ITC, PLTC
CEC / C(UL) Compliance:	CMG HL
Update and Revision:	Revision Number: 0.41 Revision Date: 09-30-2020

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