



Product: [973072Z](#)

Blue Hose®, 1 Pr #18 Str TC, PP Ins, OS+TC Brd, LSZH-TS Jkt, BBA, LSZH-TS Jkt, 600V TC-ER-LS

Product Description

Blue Hose® for Data Highway Plus, 1 Pair 18AWG (7x26) Tinned Copper, PP Insulation, Overall Beldfoil®+Tinned Copper Braid(55%) Shield, LSZH-TS Inner Jacket, Bronze Braid Armor, LSZH-TS Outer Jacket, 600V TC-ER-ST1

Technical Specifications

Product Overview

Suitable Applications:	shipboard, harsh environment, IIoT, factory or process automation, IP cameras and devices, data communication, 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
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.480 in (12.2 mm)

Armor

Armor Type & Material
BBA - Bronze Braid Armor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.050 in (1.3 mm)	0.573 in (14.6 mm)

Overall Cable Diameter (Nominal): 0.573 in (14.6 mm)

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	Voltage Rating
600 V (TC-ER-ST1), 300 V (CMG-ST1, PLTC-ST1)	150 V (ITC-ST1)

Mechanical Characteristics

Temperature

UL Temperature
75°C Dry

Standards and Compliance

Environmental Suitability:	Burial
NEC / UL Compliance:	Article 336, Article 725, Article 727, Article 800, CMG-ST1, TC-ER-ST1, PLTC-ST1, ITC-ST1
CEC / C(UL) Compliance:	CMG

History

Update and Revision:	Revision Number: 0.61 Revision Date: 05-31-2024
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