



Product: [3072Z](#)

Blue Hose®, 1 Pr #18 Str TC, PP Ins, OS+TC Brd, LSZH-TS Jkt, 600V TC-ER-ST1

### Product Description

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

### Technical Specifications

#### Product Overview

Suitable Applications:	shipboard, harsh environment, IIoT, factory or process automation, video, audio, 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%	

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant, Thermoset)	0.100 in (2.54 mm)	0.480 in (12.2 mm)

Overall Cable Diameter (Nominal): 0.480 in (12.2 mm)

#### Electrical Characteristics

##### Electricals

Element	Nom. Characteristic Impedence	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
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75°C Dry

## Standards and Compliance

Environmental Suitability:	Burial
CPR Compliance:	CPR Euroclass: Fca
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-ST1

## History

Update and Revision:	Revision Number: 0.167 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
3072Z 0105000	Black	612825140122	C

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