



Product: [3072T](#)

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

Technical Specifications

Suitable Applications: shipboard, harsh environment, IIoT, factory or process automation, video, audio, data communication, etc.

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 |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|---|-----------|---------------|
| LSZH - Low Smoke Zero Halogen (Flame Retardant) | 0.100 in | 0.480 in |

Cable Diameter (Nominal): 0.480 in

Electricals

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

High Frequency (Nominal/Typical)

| Element |
|---------|
| Pair(s) |

Voltage

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

Temperature

| UL Rating |
|-----------|
| 75°C Dry |

| | |
|----------------------------|---|
| 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 |
| Update and Revision: | Revision Number: 0.120 Revision Date: 09-30-2020 |

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