



Product: [TT-SLG-012-HTN](#) 

Transit, In+Outdoor, MLT, OS2, 12f, Gel Tubes 2.8mm, CST, Dbl Jkt - LSZH, OFCG-ST1

Product Description

Transit Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 12 Fibers, Gel Filled Tubes 2.8mm, Corrugated Steel Tape, Double Jacket - LSZH, OFCG-ST1

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Product Category: | Fiber Multi-Loose Tube Cable |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Rodent Proof |

Fiber Specifications

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|----------------------|-----------------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 μm |
| Fiber Diameter: | 250 μm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|--------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 4 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Central Strength Member: | GRP |
| Core Wrap: | Waterblocking Tape |

Inner Jacket Specifications

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|---------------------|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.454 in (11.5 mm) |
| Color: | Black |
| Number of Ripcords: | 1 |

Armor Specifications

| | |
|--------------------------|-----------------------------|
| Armor Type and Material: | CST - Corrugated Steel Tape |
|--------------------------|-----------------------------|

Outer Jacket Specifications

| | |
|---------------------|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.630 in (16.0 mm) |
| Number of Ripcords: | 2 |

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|------------|---------|---------|
|------------|---------|---------|

| | | |
|---------------------------------|-------------------|--------------------|
| Max. Attenuation | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter | 9.2 μm | 10.4 μm |
| 1 Gigabit Ethernet Performance | 5,000 m | - |
| 10 Gigabit Ethernet Performance | 10,000 m | 40,000 m |

Mechanical Characteristics

| | |
|--|-------------------------|
| Min. Bend Radius During Installation: | 20x Cable OD |
| Min. Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 2670 N (600 lbf) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 178 lbs/kft (265 kg/km) |

Temperature Range

| | |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range: | -40°C to +70°C |
| Storage Temperature Range: | -40°C to +70°C |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFCC-ST1, FT4 |
| ICEA Compliance: | S-104-696 |
| Other Standard Compliance(s): | NFPA 130, NFPA 502 |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.34 Revision Date: 11-14-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TT-SLG-012-HTNN | Black | Reel |

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