



**Product:** [TT-SLD-048-LTN](#)

Transit, In+Outdoor, MLT, OS2, 48f, Dry Tubes 2.5mm, CST, Dbl Jkt, Blk, LSZH, OFCG-ST1

**Product Description**

Transit Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 48 Fibers, Dry Tubes 2.5mm, Corrugated Steel Tape, Double Jacket, Black, 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, Armored, UV Resistant |

**Fiber Specifications**

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

**Cable Construction**

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 4                 |
| Number of Fillers:         | 1                 |
| Fibers Per Subunit:        | 12                |
| Subunit Waterblocking:     | Gel Free          |
| Subunit Diameter:          | 0.098 in (2.5 mm) |
| Subunit Color:             | TIA-598-D         |
| Central Strength Member:   | GRP               |

**Inner Jacket Specifications**

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Strength Member:    | Fiberglass Yarns                                |
| Material:           | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.455 in (11.6 mm)                              |
| Color:              | Black                                           |
| Number of Ripcords: | 1                                               |

**Armor Specifications**

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

**Outer Jacket Specifications**

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Strength Member:    | Fiberglass Yarns                                |
| Jacket Material:    | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.690 in (17.5 mm)                              |
| Number of Ripcords: | 2                                               |

**Optical Characteristics**

| Wavelength          | 1310 nm | 1550 nm |
|---------------------|---------|---------|
| Max. Attenuation    | 0.35    | 0.25    |
| Mode Field Diameter | 9.2 µm  | 10.4 µm |

|                                 |         |         |
|---------------------------------|---------|---------|
| 1 Gigabit Ethernet Performance  | 5000 m  |         |
| 10 Gigabit Ethernet Performance | 10000 m | 40000 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:                         | 207 lbs/kft (308 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 |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, Limited Smoke, FT4     |
| NEC / UL Compliance:             | OFCG-ST1                                    |
| ICEA Compliance:                 | S-104-696                                   |

History

|                      |                                                |
|----------------------|------------------------------------------------|
| Update and Revision: | Revision Number: 0.9 Revision Date: 11-14-2022 |
|----------------------|------------------------------------------------|

Part Numbers

Variants

| Item #          |
|-----------------|
| TT-SLD-048-LTNN |

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