

# Product: TT-SD9-012-LNN

Transit, In+Outdoor, DN, OS2, 12f, Non-Unit, Sgl Jkt - LSZH, OFNR-ST1

## Product Description

Transit Grade, Indoor/Outdoor, Distribution, OS2, 12 Fibers, Non-Unit 900um, Single Jacket - LSZH, OFNR-ST1

## Technical Specifications

### Product Overview

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

### Fiber Specifications

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|---|---|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Diameter: | 250 µm |
| Buffer Material: | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter: | 900 µm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

### Outer Jacket Specifications

| | |
|---|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.290 in (7.4 mm) |
| Number of Ripcords: | 1 |

#### Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---|---|---|
| Max. Attenuation | 0.50 dB/km | 0.50 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: | 15x Cable OD |
| Min. Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 660 N (150 lbf) |
| Max. Tensile Strength During Operation: | 200 N (45 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 30 lbs/kft (45 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: | OFNR-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: 0.31 Revision Date: 11-14-2022 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type |
|---|---|---|
| TT-SD9-012-LNNN | Black | Reel |

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