



**Product:** [TT-1D9-006-LNN](#) 

Transit, In+Outdoor, DN, OM1, 6f, Non-Unit, Sgl Jkt - LSZH, OFNR-ST1

## Product Description

Transit Grade, Indoor/Outdoor, Distribution, OM1, 6 Fibers, Non-Unit 900um, Single Jacket - LSZH, OFNR-ST1

## Technical Specifications

### Product Overview

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

### Fiber Specifications

|                      |                               |
|----------------------|-------------------------------|
| Fiber Type:          | OM1                           |
| Fiber Core Diameter: | 62.5/125 $\mu$ m              |
| Fiber Diameter:      | 250 $\mu$ m                   |
| Buffer Material:     | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter:     | 900 $\mu$ m                   |
| Fiber Count:         | 6                             |
| Fiber Color Coding:  | TIA-598-D                     |

### Outer Jacket Specifications

|                     |   |
|---------------------|---|
| Strength Member:    | Waterblocking Aramid Yarns                      |
| Material:           | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.220 in (5.6 mm)                               |
| Number of Ripcords: | 1   |

### Optical Characteristics

| Wavelength                             | 850 nm     | 1300 nm    |
|--|------------|------------|
| Max. Attenuation                       | 3.5 dB/km  | 1.25 dB/km |
| 1 Gigabit Ethernet Performance         | 300 m      | 550 m      |
| 10 Gigabit Ethernet Performance        | 33 m       | -          |
| Min. Restricted Mode Launch            | 220 MHz.km | -          |
| Min. Overfilled Launch (OFL) Bandwidth | 200 MHz.km | 500 MHz.km |

### 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:                         | 20 lbs/kft (30 kg/km) |

### Temperature Range

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

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.25 Revision Date: 04-08-2022 |
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