# Product: TT-1D9-006-LIN ☒

# Transit, In+Outdoor, DN, OM1, 6f, Non-Unit, AIA, Dbl Jkt - LSZH, OFCR-ST1

## Product Description

Transit Grade, Indoor/Outdoor, Distribution, OM1, 6 Fibers, Non-Unit 900um, Aluminum Interlock Armor, Double Jacket - LSZH, OFCR-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, Rodent Proof |

### Fiber Specifications

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

### Inner Jacket Specifications

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

### Armor Specifications

| | |
|---|---|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |

### Outer Jacket Specifications

| | |
|---|---|
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.570 in (14.5 mm) |

**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: | 20x 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: | 440 N/cm |
| Bulk Cable Weight: | 123 lbs/kft (183 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: | OFCR-ST1, FT4 |
| ICEA Compliance: | S-104-696 |
| Other Standard Compliance(s): | NFPA 130, NFPA 502 |

## History

| Update and Revision: | Revision Number: 0.30 Revision Date: 11-14-2022 |
|---|---|

## Part Numbers

**Variants**

| Item # | Color | Putup Type |
|---|---|---|
| TT-1D9-006-LINN | Black | Reel |