



Product: [TT-3D9-012-LNN](#) 

Transit, In+Outdoor, DN, OM3, 12f, Non-Unit, Sgl Jkt - LSZH, OFNR-ST1

Product Description

Transit Grade, Indoor/Outdoor, Distribution, OM3, 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: | OM3 |
| Fiber Core Diameter: | 50/125 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

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

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--|-------------|------------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1000 m | 550 m |
| 10 Gigabit Ethernet Performance | 300 m | - |
| Min. Effective Modal Bandwidth (EMB) | 2000 MHz.km | - |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |

Mechanical Characteristics

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|--|-----------------------|
| 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

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|--------------------------|----------------|
| 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

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|----------------------------------|---|
| 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: 0.23 Revision Date: 12-15-2021 |
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