



Product: [TT-1AD-012-H2N](#)

Transit, In+Outdoor, Artic MLT, OM1, 12f, Dry Tubes 2.8mm, Dbl Jkt - LSZH, OFNG-ST1

Product Description

Transit Grade, Indoor/Outdoor, Artic Multi-Loose-Tube, OM1, 12 Fibers, Dry Tubes 2.8mm, Double Jacket - LSZH, OFNG-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 |

Fiber Specifications

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|----------------------|-------------|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 62.5/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 12 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|--------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 5 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Free |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | Blue |
| Central Strength Member: | GRP |
| Core Wrap: | Waterblocking tape |

Inner Jacket Specifications

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|-----------|---|
| Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Color: | Black |

Outer Jacket Specifications

| | |
|---------------------|---|
| Strength Member: | Waterblocking Aramid Yarns |
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter: | 0.575 in (14.6 mm) |
| Number of Ripcords: | 1 |

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--|------------|------------|
| Max. Attenuation | 3.5 dB/km | 1.2 dB/km |
| 1 Gigabit Ethernet Performance | 300 m | 550 m |
| 10 Gigabit Ethernet Performance | - | - |
| 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: | 4400 N (990 lbf) |
| Max. Tensile Strength During Operation: | 1300 N (290 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 140 lbs/kft (209 kg/km) |

Temperature Range

| | |
|---------------------------------|--------------|
| Installation Temperature Range: | -30C to +50C |
| Operating Temperature Range: | -50C to +70C |
| Storage Temperature Range: | -50C to +70C |

Standards and Compliance

| | |
|----------------------------------|-------------------------------------|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFNG-ST1, FT4 |
| ICEA Compliance: | S-104-696 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.26 Revision Date: 11-14-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TT-1AD-012-H2NN | Black | Reel |

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