



Product: [TU-1LF-004-RI2](#)

Tray, In+Outdoor, MLT, OM1, 4f, Gel Tubes 2.8mm, AIA, Dbl Jkt - PVC & CPE, OFCR, Oil Res 1/2

Product Description

DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OM1, 4 Fibers, Gel Filled Tubes 2.8mm, Aluminum Interlock Armor, Double Jacket - PVC Inner / CPE Outer, OFCR, Oil Res 1 & 2

Technical Specifications

Product Overview

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

Fiber Specifications

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|----------------------|--------------|
| Fiber Type: | OM1 |
| Fiber Core Diameter: | 625.5/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 4 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

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|----------------------------|--------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 4 |
| Fibers Per Subunit: | 4 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | TIA-598-D |
| Central Strength Member: | GRP |
| Core Wrap: | Waterblocking tape |

Inner Jacket Specifications

| | |
|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Material: | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.454 in (11.5 mm) |
| Color: | Black |

Armor Specifications

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

Outer Jacket Specifications

| | |
|----------------|--------------------|
| Nom. Diameter: | 0.765 in (19.4 mm) |
|----------------|--------------------|

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|---------------------------------|------------|-----------|
| Max. Attenuation | 3.25 dB/km | 1.0 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

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|--|-------------------------|
| Min. Bend Radius During Installation: | 20x Cable OD |
| Min. Bend Radius During Operation: | 10x Cable OD |
| Max. Tensile Strength During Installation: | 2670 N (600) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 440 N/cm |
| Bulk Cable Weight: | 231 lbs/kft (344 kg/km) |

Temperature Range

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|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range: | -50°C to +70°C |
| Storage Temperature Range: | -50°C to +70°C |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Sunlight Resistance, Oil Resistance, Burial |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFRC, 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 |
|-----------------|-------|------------|
| TU-1LF-004-RI2N | Black | Reel |

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