




Product: [TU-3LG-144-RN2](#) 

Tray, In+Outdoor, MLT, OM3, 144f, Gel Tubes 2.8mm, Sgl Jkt - CPE, OFNR, Oil Res 1/2

Product Description
DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OM3, 144 Fibers, Gel Filled Tubes 2.8mm, Single Jacket - CPE, OFNR, Oil Res 1 & 2

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: | OM3 |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 144 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|--------------------|
| Number of Active Subunits: | 12 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Filled |
| Subunit Diameter: | 0.110 in (2.8 mm) |
| Subunit Color: | TIA-598-D |
| Central Strength Member: | Upjacketed GRP |
| Core Wrap: | Waterblocking tape |

Outer Jacket Specifications

| | |
|----------------|--------------------|
| Nom. Diameter: | 0.701 in (17.8 mm) |
|----------------|--------------------|

Optical Characteristics

| Wavelength | 850 nm | 1300 nm |
|--|-------------|------------|
| Max. Attenuation | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1000 | 550 |
| 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

| | |
|--|-------------------------|
| Min. Bend Radius During Installation: | 15x 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: | 220 N/cm |
| Bulk Cable Weight: | 223 lbs/kft (332 kg/km) |

Temperature Range

| | |
|---------------------------------|----------------|
| 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: | Indoor/Outdoor, Sunlight Resistance, Oil Resistance |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | OFNR, FT4 |
| ICEA Compliance: | S-104-696 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.18 Revision Date: 07-14-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TU-3LG-144-RN2N | Black | Reel |

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