



Product: [TU-SLG-008-RN2](#)

Tray, In+Outdoor, MLT, OS2, 8f, Gel Tubes 2.8mm, Sgl Jkt - CPE, OFNR, Oil Res 1/2

Product Description

DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OS2, 8 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: | OS2 |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Count: | 8 |
| Fiber Color Coding: | TIA-598-D |

Cable Construction

| | |
|----------------------------|--------------------|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 4 |
| Fibers Per Subunit: | 8 |
| 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 |

Outer Jacket Specifications

| | |
|----------------|--------------------|
| Nom. Diameter: | 0.454 in (11.5 mm) |
|----------------|--------------------|

Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---------------------------------|------------|------------|
| Max. Attenuation | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter | 9.2 µm | 10.4 µm |
| 1 Gigabit Ethernet Performance | 5,000 m | - |
| 10 Gigabit Ethernet Performance | 10,000 m | 40,000 m |

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: | 2670 N (600) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 77 lbs/kft (115 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: | 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: 0.22 Revision Date: 11-14-2022 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Putup Type |
|-----------------|-------|------------|
| TU-SLG-008-RN2N | Black | Reel |

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