

# Product: TU-SLD-012-RR2

Tray, In+Outdoor, MLT, OS2, 12f, Dry Tubes 2.5mm, RP Sgl Jkt, Blk, CPE, OFNR, Oil Res 1/2

## Product Description

Tray Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 12 Fibers, Dry Tubes 2.5mm, Rodent Protected, Single Jacket, Black, CPE, OFNR, 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, UV Resistant, Oil Res 1 & 2 |

### Fiber Specifications

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|---|---|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Diameter: | 250 µm |
| Fiber Color Coding: | TIA-598-D |

### Cable Construction

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|---|---|
| Number of Active Subunits: | 1 |
| Number of Fillers: | 4 |
| Fibers Per Subunit: | 12 |
| Subunit Waterblocking: | Gel Free |
| Subunit Diameter: | 0.098 in (2.5 mm) |

### Outer Jacket Specifications

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|---|---|
| Strength Member: | Fiberglass Yarns |
| Jacket Material: | CPE - Chlorinated Polyethylene |
| Nom. Diameter: | 0.456 in (11.6 mm) |
| Number of Ripcords: | 1 |

#### Optical Characteristics

| Wavelength | 1310 nm | 1550 nm |
|---|---|---|
| Max. Attenuation | 0.35 | 0.25 |
| Mode Field Diameter | 9.2 µm | 10.4 µm |
| 1 Gigabit Ethernet Performance | 5000 m | |
| 10 Gigabit Ethernet Performance | 10000 m | 40000 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 lbf) |
| Max. Tensile Strength During Operation: | 800 N (180 lbf) |
| Crush Resistance: | 220 N/cm |
| Bulk Cable Weight: | 78 lbs/kft (116 kg/km) |

### Temperature Range

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|---|---|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range: | -40°C to +70°C |
| Storage Temperature Range: | -40°C to +70°C |

## Standards and Compliance

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|---|---|
| Environmental Suitability: | Indoor/Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | UL 1666 Riser, FT4 |
| NEC / UL Compliance: | OFNR |
| ICEA Compliance: | S-104-696 |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.9 Revision Date: 11-14-2022 |

## Part Numbers

**Variants**

| Item # |
|---|
| TU-SLD-012-RR2N |

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