



**Product:** [TU-SLD-144-RS2](#) 

Tray, In+Outdoor, MLT, OS2, 144f, Dry Tubes 2.5mm, CST, Sgl Jkt, Blk, CPE, OFCR, Oil Res 1/2

## Product Description

Tray Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 144 Fibers, Dry Tubes 2.5mm, Corrugated Steel Tape, Single Jacket, Black, CPE, OFCR, 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, Armored, UV Resistant, Oil Res 1 & 23 |

### Fiber Specifications

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

### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 12                |
| Number of Fillers:         | 0                 |
| Fibers Per Subunit:        | 12                |
| Subunit Waterblocking:     | Gel Free          |
| Subunit Diameter:          | 0.098 in (2.5 mm) |

### Armor Specifications

|                          |                             |
|--------------------------|-----------------------------|
| Armor Type and Material: | CST - Corrugated Steel Tape |
|--------------------------|-----------------------------|

### Outer Jacket Specifications

|                     |                                |
|---------------------|--------------------------------|
| Strength Member:    | Fiberglass Yarns               |
| Jacket Material:    | CPE - Chlorinated Polyethylene |
| Nom. Diameter:      | 0.770 in (19.6 mm)             |
| Number of Ripcords: | 2                              |

### 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

|                                            |                  |
|--------------------------------------------|------------------|
| Min. Bend Radius During Installation:      | 20x 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: | 218 lbs/kft (325 kg/km) |
|--------------------|-------------------------|

Temperature Range

|                                 |                |
|---------------------------------|----------------|
| 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

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

History

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

Part Numbers

Variants

| Item #          |
|-----------------|
| TU-SLD-144-RS2N |

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