



**Product:** [TU-SLF-006-R22](#)

Tray, In+Outdoor, MLT, OS2, 6f, Gel Tubes 2.8mm, Dbl Jkt - PVC & CPE, OFNR, Oil Res 1/2

## Product Description

DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OS2, 6 Fibers, Gel Filled Tubes 2.8mm, Double Jacket - PVC Inner / CPE Outer, 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

|                      |                       |
|----------------------|-----------------------|
| Fiber Type:          | OS2                   |
| Fiber Core Diameter: | 8.2/125 $\mu\text{m}$ |
| Fiber Diameter:      | 250 $\mu\text{m}$     |
| Fiber Count:         | 6                     |
| Fiber Color Coding:  | TIA-598-D             |

### Cable Construction

|                            |                    |
|----------------------------|--------------------|
| Number of Active Subunits: | 1                  |
| Number of Fillers:         | 4                  |
| Fibers Per Subunit:        | 6                  |
| 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

|                |                          |
|----------------|--------------------------|
| Material:      | PVC - Polyvinyl Chloride |
| Nom. Diameter: | 0.379 in (9.6 mm)        |
| Color:         | Black                    |

### Outer Jacket Specifications

|                |                    |
|----------------|--------------------|
| Nom. Diameter: | 0.514 in (13.1 mm) |
|----------------|--------------------|

### Optical Characteristics

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

### 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:                         | 130 lbs/kft (193 kg/km) |

### Temperature Range

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

### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.19 Revision Date: 04-08-2022 |
|----------------------|---|

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