



**Product:** [TU-SLG-144-RI2](#)

Tray, In+Outdoor, MLT, OS2, 144f, Gel Tubes 2.8mm, AIA, Dbl Jkt - PVC & CPE, OFCR, Oil Res 1/2

Product Description

DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OS2, 144 Fibers, Gel Filled Tubes 2.8mm, Aluminum Interlock Armor, Double Jacket - PVC Inner / CPE Outer, 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, Rodent Proof |

Fiber Specifications

|                      |            |
|----------------------|------------|
| Fiber Type:          | OS2        |
| Fiber Core Diameter: | 8.2/125 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 |

Inner Jacket Specifications

|                  |                            |
|------------------|----------------------------|
| Strength Member: | Waterblocking Aramid Yarns |
| Material:        | PVC - Polyvinyl Chloride   |
| Nom. Diameter:   | 0.701 in (17.8 mm)         |
| Color:           | Black                      |

Armor Specifications

|                          |                                |
|--------------------------|--------------------------------|
| Armor Type and Material: | AIA - Aluminum Interlock Armor |
|--------------------------|--------------------------------|

Outer Jacket Specifications

|                |                    |
|----------------|--------------------|
| Nom. Diameter: | 1.115 in (28.3 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

|                                            |                         |
|--------------------------------------------|-------------------------|
| Min. Bend Radius During Installation:      | 20x 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:                          | 440 N/cm                |
| Bulk Cable Weight:                         | 418 lbs/kft (622 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:       | Sunlight Resistance, Oil Resistance, Burial |
| Sustainability:                  | CA Prop 65                                  |
| Flammability / Reaction to Fire: | OFCR, FT4                                   |
| ICEA Compliance:                 | S-104-696                                   |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.26 Revision Date: 11-14-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type |
|-----------------|-------|------------|
| TU-SLG-144-RI2N | Black | Reel       |

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