



**Product:** [TU-3LG-072-RH2](#)

Tray, In+Outdoor, MLT, OM3, 72f, Gel Tubes 2.8mm, SIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

Product Description

DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OM3, 72 Fibers, Gel Filled Tubes 2.8mm, Steel Interlock Armor, Double 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, Rodent Proof |

Fiber Specifications

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM3       |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter:      | 250 µm    |
| Fiber Count:         | 72        |
| Fiber Color Coding:  | TIA-598-D |

Cable Construction

|                            |                    |
|----------------------------|--------------------|
| Number of Active Subunits: | 6                  |
| 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:      | 0.481 in (12.2 mm)         |
| Color:              | Black                      |
| Number of Ripcords: | 1                          |

Armor Specifications

|                          |                             |
|--------------------------|-----------------------------|
| Armor Type and Material: | SIA - Steel Interlock Armor |
|--------------------------|-----------------------------|

Outer Jacket Specifications

|                  |                                |
|------------------|--------------------------------|
| Jacket Material: | CPE - Chlorinated Polyethylene |
| Nom. Diameter:   | 0.895 in (22.7 mm)             |

Optical Characteristics

| Wavelength                     | 850 nm    | 1300 nm   |
|--------------------------------|-----------|-----------|
| Max. Attenuation               | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 1000      | 550       |

|                                        |             |            |
|----------------------------------------|-------------|------------|
| 10 Gigabit Ethernet Performance        | 300 m       | -          |
| Min. Effective Modal Bandwidth (EMB)   | 2000 MHz.km | -          |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |

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:                          | 440 N/cm                |
| Bulk Cable Weight:                         | 354 lbs/kft (527 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:       | Indoor/Outdoor, 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: 0.14 Revision Date: 11-14-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type    | UPC          |
|-----------------|-------|---------------|--------------|
| TU-3LG-072-RH2N | Black | Cut to Length | 612825486893 |

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