



**Product:** [TU-1LG-048-RH2](#)

Tray, In+Outdoor, MLT, OM1, 48f, Gel Tubes 2.8mm, SIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

### Product Description

DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OM1, 48 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:	OM1
Fiber Core Diameter:	62.5/125 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	4
Number of Fillers:	1
Fibers Per Subunit:	12
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

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.454 in (11.5 mm)
Color:	Black
Number of Ripcords:	1

#### Armor Specifications

Armor Type and Material:	SIA - Steel Interlock Armor
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#### Outer Jacket Specifications

Jacket Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	0.765 in (19.4 mm)

#### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.25 dB/km	1.0 dB/km

1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	-
Min. Restricted Mode Launch	220 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	200 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:	307 lbs/kft (457 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:	OFRC, FT4
ICEA Compliance:	S-104-696

## History

Update and Revision:	Revision Number: 0.14 Revision Date: 11-14-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
TU-1LG-048-RH2N	Black	Cut to Length	612825485872

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