BELDEN

Product: TU-3LG-012-RT2 ⧉

Tray, In+Outdoor, MLT, OM3, 12f, Gel Tubes 2.8mm, CST, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

Product Description

DataTuff Tray, Indoor/Outdoor, Multi-Loose-Tube, OM3, 12 Fibers, Gel Filled Tubes 2.8mm, Corrugated Steel Tape, 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:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Color:	Black

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Jacket Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	0.630 in (16.0 mm)
Number of Ripcords:	2

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:	220 N/cm
Bulk Cable Weight:	171 lbs/kft (254 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
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-012-RT2N	Black	Cut to Length	612825484622