

Product: TU-SC0-012-RS2

Tray, In+Outdoor, CLT, OS2, 12f, Gel Tube 3.8mm, CST, Sgl Jkt, Blk, CPE, OFCR, Oil Res 1/2

Product Description

Tray Grade, Indoor/Outdoor, Central Loose-Tube, OS2, 12 Fibers, Gel Filled Tube 3.8mm, Corrugated Steel Tape, Single Jacket, Black, CPE, OFCR, Oil Res 1 & 2

Technical Specifications

Product Overview

Product Category:	Fiber Central Loose Tube Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Oil Res 1 /2, Rodent Proof

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.150 in (3.8 mm)
Subunit Color:	Blue
Subunit Strength Members:	Waterblocking aramid yarns
Core Wrap:	Waterblocking tape

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Strength Member:	Glass Yarns
Jacket Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	0.410 in (10.4 mm)
Number of Ripcords:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 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 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	84 lbs/kft (125 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-SC0-012-RS2N	Black	Cut to Length	612825486473

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