

Product: TU-SLC-006-RI2

Tray, In+Outdoor, MLT, OS2, 6f, Dry Tubes 2.5mm, AIA, Dbl Jkt, Blk, CPE, OFCR, Oil Res 1/2

Product Description

Tray Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 6 Fibers, Dry Tubes 2.5mm, Aluminum 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, Armored, UV Resistant, Oil Res 1 & 41

Fiber Specifications

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

Cable Construction

Number of Active Subunits:	1
Number of Fillers:	4
Fibers Per Subunit:	6
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.098 in (2.5 mm)

Inner Jacket Specifications

Strength Member:	Fiberglass Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.456 in (11.6 mm)
Color:	Black

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor

Outer Jacket Specifications

Jacket Material:	CPE - Chlorinated Polyethylene
Nom. Diameter:	0.770 in (19.6 mm)

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.35	0.25
Mode Field Diameter	9.2 µm	10.4 µm
1 Gigabit Ethernet Performance	5000 m	
10 Gigabit Ethernet Performance	10000 m	40000 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:	440 N/cm
Bulk Cable Weight:	233 lbs/kft (347 kg/km)

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-40°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL 1666 Riser, FT4
NEC / UL Compliance:	OFCR
ICEA Compliance:	S-104-696

History

Update and Revision:	Revision Number: 0.9 Revision Date: 11-14-2022

Part Numbers

Variants

Item #
TU-SLC-006-RI2N

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