

Product: TT-SLC-006-LRN

Transit, In+Outdoor, MLT, OS2, 6f, Dry Tubes 2.5mm, RP Sgl Jkt, Blk, LSZH, OFNG-ST1

Product Description

Transit Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 6 Fibers, Dry Tubes 2.5mm, Rodent Protected, Single Jacket, Black, LSZH, OFNG-ST1

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, UV Resistant

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)
Subunit Color:	TIA-598-D
Central Strength Member:	GRP

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.455 in (11.6 mm)
Number of Ripcords:	1

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:	15x 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:	83 lbs/kft (124 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 1685 FT4 Loading, Limited Smoke, FT4
NEC / UL Compliance:	OFNG-ST1
ICEA Compliance:	S-104-696

History

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

Part Numbers

Variants

Item #
TT-SLC-006-LRNN

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