

Product: TT-SCN-012-LSN

RailTuff, In+Outdoor, CLT, OS2, 12f, Dry Tube 2.8mm, CST, Sgl Jkt, Blk, LSZH, OFCG-ST1

Product Description

Transit Grade, Indoor/Outdoor, Central Loose-Tube, OS2, 12 Fibers, Dry Tube 2.8mm, Corrugated Steel Tape, Single Jacket, Black, LSZH, OFCG-ST1

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, 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:	0
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Free
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	Blue

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Strength Member:	Fiberglass Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.410 in (10.4 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:	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:	54 lbs/kft (80 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
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, Limited Smoke, FT4
NEC / UL Compliance:	OFCG-ST1
ICEA Compliance:	S-104-696

History

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

Part Numbers

Variants

Item #
TT-SCN-012-LSNN

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