

Product: TT-SLG-012-HSN

RailTuff, In+Outdoor, MLT, OS2, 12f, Gel Tubes 2.8mm, CST, Sgl Jkt, Blk, LSZH, OFCG-ST1

Product Description

Transit Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 12 Fibers, Gel Filled Tubes 2.8mm, Corrugated Steel Tape, Single Jacket, Black, LSZH, OFCG-ST1

Technical Specifications

Product Overview

Product Category:	Fiber Multi-Loose Tube Cable
Suitable Applications:	Transit, Railside, Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, 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
Number of Fillers:	4
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

Armor Specifications

Armor Type and Material:	CST - Corrugated Steel Tape

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.530 in (13.5 mm)

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 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

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:	OFCG-ST1, FT4
ICEA Compliance:	S-104-696
Other Standard Compliance(s):	NFPA 130, NFPA 502

History

Update and Revision:	Revision Number: 0.14 Revision Date: 11-14-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
TT-SLG-012-HSNN	Black	Cut to Length	612825486688

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