



Product: [TT-SD9-012-LNN](#)

Transit, In+Outdoor, DN, OS2, 12f, Non-Unit, Sgl Jkt - LSZH, OFNR-ST1



Product Description

Transit Grade, Indoor/Outdoor, Distribution, OS2, 12 Fibers, Non-Unit 900um, Single Jacket - LSZH, OFNR-ST1

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 μ m
Fiber Diameter:	250 μ m
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 μ m
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.290 in (7.4 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 μ m	10.4 μ m
1 Gigabit Ethernet Performance	5,000 m	-
10 Gigabit Ethernet Performance	10,000 m	40,000 m

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	30 lbs/kft (45 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:	OFNR-ST1, FT4
ICEA Compliance:	S-104-696
Other Standard Compliance(s):	NFPA 130, NFPA 502

History

Update and Revision:	Revision Number: 0.31 Revision Date: 11-14-2022
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Part Numbers

Variants

Item #	Color	Putup Type
TT-SD9-012-LNND	Black	Reel

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