



REPRESENTATIVE IMAGE

Product: [TT-SDK-048-LNN](#)

Transit, In+Outdoor, DN, OS2, 48f, Unitized, Sgl Jkt - LSZH, OFNR-ST1

Product Description

Transit Grade, Indoor/Outdoor, Distribution, OS2, 48 Fibers, Unitized (12f/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 µm
Fiber Diameter:	250 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 µm
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Fibers Per Subunit:	12
Subunit Diameter:	0.230 in (5.8 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Waterblocking Aramid Yarn
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking Tape

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.688 in (17.5 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 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:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD

Max. Tensile Strength During Installation:	1335 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	158 lbs/kft (235 kg/km)

Temperature Range

Installation Temp Range:	-10°C to +60°C
Operating Temp Range:	-40°C to +70°C
Storage Temp 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: 0.21 Revision Date: 12-15-2021
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