



**Product:** [TT-SLD-048-LRN](#)

Transit, In+Outdoor, MLT, OS2, 48f, Dry Tubes 2.5mm, RP Sgl Jkt, Blk, LSZH, OFNG-ST1

**Product Description**

Transit Grade, Indoor/Outdoor, Multi-Loose-Tube, OS2, 48 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:	4
Number of Fillers:	1
Fibers Per Subunit:	12
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:	77 lbs/kft (114 kg/km)
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## 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
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## Part Numbers

### Variants

Item #
TT-SLD-048-LRNN

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