



**Product:** [TT-1DK-048-LNN](#)

Transit, In+Outdoor, DN, OM1, 48f, Unitized, Sgl Jkt - LSZH, OFNR-ST1

**Product Description**

Transit Grade, Indoor/Outdoor, Distribution, OM1, 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:	OM1
Fiber Core Diameter:	62.5/125 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:	Orange
Subunit Strength Members:	Waterblocking Aramid Yarn
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking Tape

**Outer Jacket Specifications**

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.688 in (17.5 mm)
Number of Ripcords:	1

**Optical Characteristics**

Wavelength	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1.25 dB/km
1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	-
Min. Restricted Mode Launch	220 MHz.km	-
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	500 MHz.km

**Mechanical Characteristics**

Min. Bend Radius During Installation:	15x Cable OD
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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 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: 0.29 Revision Date: 11-14-2022
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Part Numbers

Variants

Item #	Color	Putup Type
TT-1DK-048-LNNN	Black	Reel

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