



Product: [FD1L048LG](#) 

Indoor/Outdoor Riser Loose Tube OM1 48 Fibers

Product Description

FX Indoor/Outdoor Loose Tube OM1 48 Fibers LSZH/OFNR Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Backbone
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Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 µm
Fiber Diameter:	250 µm
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	4
Number of Fillers:	1
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking tape

Inner Jacket Specifications

Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
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Outer Jacket Specifications

Strength Member:	Waterblocking aramid yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nominal Diameter:	0.454 in (11.5 mm)
Color:	Black
Number of Ripcords:	2

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.25 dB/km	1 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
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:	79 lbs/kft (118 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
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	OFNR, FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

History

Update and Revision:	Revision Number: 0.68 Revision Date: 12-21-2020
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