

Product: FDSL048LG

Indoor/Outdoor Riser Loose Tube OS2 48 Fibers

Product Description

FX Indoor/Outdoor Loose Tube OS2 48 Fibers LSZH/OFNR Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

Suitable Applications:	Campus Area Network, Backbone

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 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
Cable Core Waterblocking:	Waterblock Tape

Inner Jacket Specifications

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

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.454 in (11.5 mm)
Color:	Black
Number of Ripcords:	2

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 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:	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 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
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

History

Update and Revision:	Revision Number: 0.75 Revision Date: 11-09-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FDSL048LG	Black	Reel	612825385479

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