



**Product:** [FD1B004LB](#) 

Indoor/Outdoor LSZH/Riser OM1 Breakout 4 Fibers

### Product Description

FX Indoor/Outdoor OM1 Breakout 4 Fibers LSZH Sub-Units (2.0MM) Black Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Indoor/Outdoor
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#### Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125µm µm
Buffer Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Buffer Diameter:	900 µm µm
Fiber Count:	4
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	4
Number of Fillers:	0
Fibers Per Subunit:	1
Subunit Waterblocking:	Waterblocking Aramid
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Color:	Orange
Subunit Strength Members:	Waterblocking Aramid Yarns
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)
Nominal Diameter:	0.302 in (7.7 mm)
Color:	Black
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
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	1370 N (300 lbf)
Max Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	35 lbs/kft (52 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 / Fire Resistance:	OFNR, FT4
NEC / UL Compliance:	OFNR
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

## History

Update and Revision:	Revision Number: 0.48 Revision Date: 12-09-2020
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