



Product: [FD1B024LB](#) 

Indoor/Outdoor LSZH/Riser OM1 Breakout 24F

Product Description

Fiber cable, Indoor/Outdoor, OM1, Multimode, Breakout, 24 Fibers, LSZH/Riser (OFNR), 2.0mm SubUnits

Technical Specifications

Part Number:	FD1B024LB
Construction Type:	Breakout

Product Overview

Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor/Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM1	24

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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Buffer Specification

Buffer Diameter
900 μ m

Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	140 lbs/1000ft

SubUnit Specifications

Fibers Per Subunit:	1
SubUnit Diameter:	0.078 in (2.0 mm)
SubUnit Waterblocking:	Waterblocking Aramid

Outer Jacket

Outer Jacket Material

Nominal Diameter
0.57 in (14.5 mm)

Color:	Black
Number of Ripcords:	2

Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125 μ m
Max Attenuation at 1300 nm:	1.25 dB/km
Max Attenuation at 850 nm:	3.5 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	33 m / 300 m

1 Gigabit Ethernet Performance:	275 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	200 MHz-km / 500 MHz-km

Mechanical Characteristics

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	67 N (300 lbf)

Temperature Range

Operating Temp Range:	-40C to +70C
Installation Temp Range:	-30C to +70C
Storage Temp Range:	-40C to +70C

Standards

UL Rating/Flame Test:	LSZH/Riser
NEC/(UL) Compliance:	OFNR
TIA/EIA Compliance:	ANSI/ICEA S-104-696
RoHS:	Yes
UV/ Sunlight Protection:	Yes

History

Variants

Item #	Color
FD1B024LB	Black

Update and Revision:	Revision Number: 0.46 Revision Date: 01-31-2020
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