



Product: [FDSB024LB](#)

Indoor/Outdoor LSZH/Riser OS2 Breakout 24F

Product Description

Breakout Fiber Cable, Indoor/Outdoor, OS2, Singlemode, 24 Fibers, LSZH/Riser (OFNR), 2.0mm SubUnits

Technical Specifications

Part Number:	FDSB024LB
Construction Type:	Breakout

Product Overview

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

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2	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 μm

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

Mode Field Diameter:	9.2
Fiber Core Diameter:	8.2/125μm
Max Attenuation at 1310 nm:	0.5 dB/km
Max Attenuation at 1550 nm:	0.5 dB/km
Wavelength:	1310 nm / 1550 nm
10 Gigabit Ethernet Performance:	10,000 m / 40,000 m

1 Gigabit Ethernet Performance:	5,000 m / -
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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
FDSB024LB	Black

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