



Product: [FDSB006LB](#) 

Indoor/Outdoor LSZH/Riser OS2 Breakout 6F LSZH 2mm Sub-Units

Product Description

FX Indoor/Outdoor OS2 Breakout 6 Fibers LSZH Sub-Units (2.0MM) Black Jacket

Technical Specifications

Product Overview

Suitable Applications:	Horizontal Backbone
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Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125µm µm
Fiber Diameter:	250 µm
Fiber Buffer Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Fiber Buffer Diameter:	900 µm µm
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	6
Fibers Per Subunit:	1
Subunit Waterblocking:	Waterblocking Aramid
Subunit Diameter:	0.078 in (2.0 mm)
Fiber SubUnit Strength Members:	Waterblocking aramid yarns
Central Strength Member Type:	Upjacketed GRP
Core Wrap Material:	Waterblocking tape
Cable Core Water Blocking:	Waterblock Tape

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.358 in (9.1 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	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

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD

Max. Tensile Strength During Installation:	1330 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	20 lbs/kft (30 kg/km)

Temperature Range

Installation Temperature Range:	-20°C to +70°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, Burial
Sustainability:	CA Prop 65
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: 0.63 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type
FDSB006LB	Black	Reel

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