



**Product:** [FI4B012LBA](#)

Indoor LSZH/Riser OM4 Breakout 12F LSZH 2mm Sub-Units Aqua

### Product Description

Indoor OM4 Breakout 12 Fibers LSZH Sub-Units (2.0mm) Aqua Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Horizontal Backbone
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#### Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125µm µm
Fiber Diameter:	250 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Buffer Diameter:	900 µm µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	1
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Strength Members:	Aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Nomex Tape

#### Outer Jacket Specifications

Strength Member:	Aramid Yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.514 in (13.1 mm)
Color:	Aqua
Number of Ripcords:	2

#### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1100 m	550 m
10 Gigabit Ethernet Performance	550 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 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:	1330 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	100 N/cm
Bulk Cable Weight:	27 lbs/kft (41 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
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596

## History

Update and Revision:	Revision Number: 0.66 Revision Date: 12-15-2021
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