



**Product:** [FD4D012L9A](#)

Indoor/Outdoor Riser OM4 Distribution 12 Fibers

### Product Description

FX Indoor/Outdoor OM4 Distribution Tight Buffer 12 Fibers LSZH Non-Unitized Aqua Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Premise Backbone
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#### Fiber Specifications

Fiber Type:	OM4
Fiber Core Diameter:	50/125 $\mu\text{m}$
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 $\mu\text{m}$
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

#### Outer Jacket Specifications

Strength Member:	Waterblocking aramid yarns
Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nominal Diameter:	0.290 in (7.4 mm)
Color:	Aqua
Number of Ripcords:	1

#### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
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:	660 N (150 lbf)
Max Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	26 lbs/kft (39 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
ICEA Compliance:	S-104-696
European Directive Compliance:	EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16

## History

Update and Revision:	Revision Number: 0.70 Revision Date: 11-03-2020
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