



**Product:** [FD4D002L9A](#)

Indoor/Outdoor Riser OM4 Distribution 2 Fibers

**Product Description**  
FX Indoor/Outdoor OM4 Distribution Tight Buffer 2 Fibers LSZH Non-Unitized Aqua Jacket

**Technical Specifications**

**Product Overview**

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

**Fiber Specifications**

Fiber Type:	OM4
Fiber Core Diameter:	50/125 µm
Buffer Material:	LSZH - Low Smoke Zero Halogen
Buffer Diameter:	900 µm
Fiber Count:	2
Fiber Color Coding:	TIA-598-D

**Cable Construction**

Cable Core Waterblocking:	Waterblocking Aramid Yarns
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**Outer Jacket Specifications**

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	LSZH - Low Smoke Zero Halogen (Flame Retardant)
Nom. Diameter:	0.184 in (4.7 mm)
Color:	Aqua
Number of Ripcords:	1

**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:	660 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	220 N/cm
Bulk Cable Weight:	13 lbs/kft (19 kg/km)

**Temperature Range**

Installation Temperature Range:	-10°C to +60°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
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16

History

Update and Revision:	Revision Number: 0.96 Revision Date: 11-09-2022
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FD4D002L9A	Aqua	Reel	612825368151

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