



**Product:** [FDSD006F9](#) 

Indoor/Outdoor Riser OS2 Distribution 6Fibers Aluminum Interlocked

### Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 6 Fibers OFCR Aluminum Interlocked Armor Non-Unitized Black Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Premise Backbone
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#### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 $\mu\text{m}$
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 $\mu\text{m}$
Fiber Count:	6
Fiber Color Coding:	TIA-598-D

#### Inner Jacket Specifications

Strength Member:	Waterblocking aramid yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	0.220 in (5.6 mm)
Color:	Black
Number of Ripcords:	1

#### Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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#### Outer Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	0.500 in (12.7 mm)
Color:	Black

#### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 dB/km
Mode Field Diameter	9.2 $\mu\text{m}$	10.4 $\mu\text{m}$
1 Gigabit Ethernet Performance	5,000 m	--
10 Gigabit Ethernet Performance	10,000 m	50,000 m

#### Mechanical Characteristics

Min Bend Radius During Installation:	20x 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:	440 N/cm
Bulk Cable Weight:	138 lbs/kft (205 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, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	OFCR, 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: 0.84 Revision Date: 02-16-2021
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