



**Product:** [FDSD024A9](#)

Indoor/Outdoor Plenum OS2 Distribution 24Fibers Aluminum Interlocked

### Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 24 Fibers OFCP Aluminum Interlocked Armor Non-Unitized Black Jacket

### Technical Specifications

#### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

#### 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:	24
Fiber Color Coding:	TIA-598-D

#### Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.330 in (8.4 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
Nom. Diameter:	0.580 in (14.7 mm)
Color:	Black

#### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 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:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)

Crush Resistance:	440 N/cm
Bulk Cable Weight:	150 lbs/kft (223 kg/km)

## Temperature Range

Installation Temp Range:	0°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 / Reaction to Fire:	OFCP, FT6
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: 0.101 Revision Date: 04-08-2022
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