



**Product:** [FDSD048FK](#)

Indoor/Outdoor Riser OS2 Distribution 48Fibers Aluminum Interlocked



### Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 48 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) 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 $\mu$ m
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 $\mu$ m
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	4
Fibers Per Subunit:	12
Subunit Diameter:	0.230 in (5.8 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Waterblock Tape

#### Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.688 in (17.5 mm)
Color:	Black
Number of Ripcords:	1

#### Armor Specifications

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

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	1.086 in (27.6 mm)
Color:	Black

#### Optical Characteristics

Wavelength	1310 nm	1550 nm
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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:	2670 N (600 lbf)
Max. Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	414 lbs/kft (616 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, Product Lens™
Flammability / Reaction to Fire:	OFCR, 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: 0.99 Revision Date: 11-09-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FDSD048FK	Black	Reel	612825369455

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