



**Product:** [FISD096FK](#)

Indoor Riser OS2 Distribution 96 Fibers Aluminum Interlocked

**Product Description**

FX Indoor OS2 Distribution Tight Buffer 96 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) Yellow 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 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 µm
Fiber Count:	96
Fiber Color Coding:	TIA-598-D

**Cable Construction**

Number of Active Subunits:	8
Fibers Per Subunit:	12
Subunit Diameter:	0.230 in (5.8 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Mylar

**Inner Jacket Specifications**

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.953 in (24.2 mm)
Color:	Yellow
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:	1.365 in (34.7 mm)
Color:	Yellow

**Optical Characteristics**

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.50 dB/km	0.50 dB/km
Mode Field Diameter	9.2 µm	10.4 µm

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:	601 lbs/kft (895 kg/km)

## Temperature Range

Installation Temp Range:	-10°C to +60°C
Operating Temp Range:	-20°C to +70°C
Storage Temp Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65, Product Lens™
Flammability / Reaction to Fire:	OFCR, FT4
ICEA Compliance:	S-83-596
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: 0.87 Revision Date: 04-08-2022
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