



**Product:** [FISM012A1](#) 

Indoor Mini-Distribution OS2 12 Fibers OFCP Aluminum Interlocked Armor Sub-Units 2.0mm (12F)

## Product Description

FX Indoor, Mini-Distribution, OS2, 12 Fibers, OFCP Aluminum Interlocked Armor, Sub-Units 2.0mm (12F), Yellow Jacket

## Technical Specifications

### Product Overview

Product Category:	Fiber Mini Distribution Cable
Suitable Applications:	Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking

### Fiber Specifications

Fiber Type:	OS2, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	1
Number of Fillers:	3
Fibers Per Subunit:	12
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Color:	Yellow
Fiber SubUnit Strength Members:	Aramid Yarns
Central Strength Member Type:	GRP

### Inner Jacket Specifications

Inner Jacket Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nominal Diameter@InnerJacket1 (cnv):	0.272 in (6.9 mm)
Color:	Yellow
Number of Inner Jacket 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:	0.561 in (14.2 mm)
Outer Jacket Color:	Yellow

### Optical Characteristics

Wavelength	1300 nm	1310 nm	1550 nm
Max. Attenuation		0.5 dB/km	0.5 dB/km
10 Gigabit Ethernet Performance	--	10,000 m	50,000 m
40 Gigabit Ethernet Performance		10,000 m	--

100 Gigabit Ethernet Performance		10,000 m	--
Min. Effective Modal Bandwidth (EMB)	--		

## Mechanical Characteristics

Minimum Bend Radius During Installation:	20x Cable OD
Minimum 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:	104 lbs/kft (155 kg/km)

## Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	0°C to +70°C
Storage Temperature Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	568.3, 598-D
Telcordia Compliance:	GR-409
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.6 Revision Date: 05-26-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type
FISM012A1	Yellow	Reel

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