



**Product:** [FISM036A1](#)

## Indoor Plenum OS2 Mini-Distribution 36F Armor 2mm SubUnits

### Product Description

FX Indoor OS2 Mini-Distribution 36 Fibers OFCP Aluminum Interlocked Armor Sub-Units (2.0MM) Yellow Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking
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#### Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	36
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	3
Fibers Per Subunit:	12
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Strength Members:	Aramid yarns
Central Strength Member:	GRP

#### Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Color:	Yellow
Number of Ripcords:	2

#### Armor Specifications

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

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.583 (14.8)
Color:	Yellow
Number of Ripcords:	2

#### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.40 dB/km	0.30 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	40,000 m

## Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	15x Cable OD
Max. Tensile Strength During Installation:	670 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	440 N/cm

## Temperature Range

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

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFCP, FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596

## History

Update and Revision:	Revision Number: 0.84 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type
FISM036A1	Yellow	Reel

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