



Product: [FISM012A0](#)

Indoor, Plenum, OS2, Mini-Distribution, 12 Fibers, Aluminum Interlocked, Yellow Jacket

Product Description

FX Indoor, OS2, Mini-Distribution, 12 Fibers, OFCP, Aluminum Interlocked Armor, 4.8mm (Double Jacket), Yellow Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Mini Distribution Cable
Suitable Applications:	Indoor, data center, patching, inside cabinets, workstation equipment connections

Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 μ m
Fiber Diameter:	250 μ m
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Subunit Diameter:	0.120 in (3.0 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Aramid Yarns

Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.189 in (4.8 mm)
Color:	Yellow
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:	0.480 in (12.2 mm)
Color:	Yellow

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 dB/km
Mode Field Diameter	9.2 μ m	10.4 μ m
1 Gigabit Ethernet Performance	5000 m	--
10 Gigabit Ethernet Performance	10000 m	50000 m

Mechanical Characteristics

Min. Bend Radius During Installation:	20 x Cable OD
Min. Bend Radius During Operation:	10 x 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:	90.6 lbs/1000ft (134.8 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:	598-D
Telcordia Compliance:	GR-409
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.5 Revision Date: 01-28-2025
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