



Product: [FI1M048A1](#)

Indoor Plenum OM1 Mini-Distribution 48F Armor 2mm SubUnits

Product Description

FX Indoor OM1 Mini-Distribution 48 Fibers OFCP Aluminum Interlocked Armor Sub-Units (2.0MM) Orange Jacket

Technical Specifications

Part Number:	FI1M048A1
Construction Type:	Mini Distribution

Product Overview

Environmental Space:	Indoor
Suitable Applications:	Indoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OM1	48

Central Strength Member:	GRP
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SubUnit Specifications

Number of Active Subunits:	4
Number of Subunit Positions:	4
Fibers Per Subunit:	12
SubUnit Diameter:	0.078 in (2.0 mm)

Jacket Specifications

Number of Jackets:	Double Jacket
Type of Armor:	Interlocked Aluminum

Inner Jacket

Number of Ripcords:	2
Color:	Orange
Material:	PVC - Polyvinyl Chloride

Outer Jacket

Outer Jacket Material

Material	Nominal Diameter
Thermoplastic	0.63 in (16 mm)

Color:	Orange
Number of Ripcords:	2
Nominal Diameter:	0.583 (14.8)

Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
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Fiber Core Diameter:	62.5/125
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.25 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	200 MHz-km / 500 MHz-km

Mechanical Characteristics

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	15x Cable OD

Temperature Range

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

Standards

UL Rating/Flame Test:	OFCP
NEC/(UL) Compliance:	N/A
C (UL) US:	FT4
TIA/EIA Compliance:	ANSI/ICEA S-83-596
RoHS:	Yes

History

Variants

Item #	Color	UPC
F11M048A1	Orange	612825287452

Update and Revision:	Revision Number: 0.58 Revision Date: 05-26-2020
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