




**Product:** [FI3M048P8](#) 

Indoor Mini Distribution OM3 48 Fibers OFNP Sub-Units 2.0mm (8F)

## Product Description

FX Indoor, Mini Distribution, OM3, 48 Fibers, OFNP, Sub-Units 2.0mm (8F), Aqua 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:	OM3
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Fiber Count:	48
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	6
Fibers Per Subunit:	8
Subunit Diameter:	0.078 in (2.0 mm)
Subunit Color:	Aqua
Fiber SubUnit Strength Members:	Aramid yarns
Central Strength Member Type:	GRP

### Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.320 in (8.1 mm)
Outer Jacket Color:	Aqua
Outer Jacket Ripcord:	1

### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
10 Gigabit Ethernet Performance	400 m	--
40 Gigabit Ethernet Performance	100 m	--
100 Gigabit Ethernet Performance	70 m	--
Min. Effective Modal Bandwidth (EMB)	2000 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz.km	500 MHz.km

### Mechanical Characteristics

Minimum Bend Radius During Installation:	15x 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:	100 N/cm
Bulk Cable Weight:	53 lbs/kft (79 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:	OFNP
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: 0.4 Revision Date: 02-05-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type
FI3M048P8	Aqua	Reel

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