



**Product:** [FI4M048P1A](#) 

Indoor Plenum OM4 Mini-Distribution 48F 2mm Sub-Units Aqua

## Product Description

Indoor OM4 Mini-Distribution 48 Fibers OFNP Sub-Units (2.0MM) Aqua Jacket

## Technical Specifications

### Product Overview

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

Fiber Type:	OM4
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:	4
Fibers Per Subunit:	12
Subunit Diameter:	0.078 in (2.0 mm)
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:	0.270 in (7.0 mm)
Outer Jacket Color:	Aqua
Outer Jacket Ripcord:	2

### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.2 dB/km
1 Gigabit Ethernet Performance	1,040 m	550 m
10 Gigabit Ethernet Performance	550 m	--
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 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:	670 N (150 lbf)
Max. Tensile Strength During Operation:	200 N (45 lbf)
Crush Resistance:	110 N/cm
Bulk Cable Weight:	33 lbs/kft (49 kg/km)

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:	OFNP, FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596

History

Update and Revision:	Revision Number: 0.87 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FI4M048P1A	Aqua	Reel	612825288787

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