



Product: [FI4M144P1](#)

Indoor Mini-Distribution OM4 144 Fibers OFNP Sub-units 2.0 mm (12F)

Product Description

FX Indoor, Mini-Distribution, OM4, 144 Fibers, OFNP, Sub-units 2.0 mm (12F), Erika Violet 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:	OM4
Fiber Core Diameter:	50/125 μ m
Fiber Diameter:	250 μ m
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

Cable Construction

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

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.400 in (10.3 mm)
Color:	Erika Violet
Number of Ripcords:	1

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

Min. Bend Radius During Installation:	15x Cable OD
Min. 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:	110 N/cm
Bulk Cable Weight:	68 lbs/kft (100 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, FT6
NEC / UL Compliance:	OFNP
CEC / C(UL) Compliance:	OFNP
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)

History

Update and Revision:	Revision Number: 0.102 Revision Date: 03-19-2025
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
FI4M144P1	Erika Violet	Reel	612825288954

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