



Product: [FD4M048A2E](#) 

Indoor/Outdoor Plenum OM4 Mini-Distribution 48 Fibers Aluminum Interlocked 3mm Sub-Units Erika violet Jacket

Product Description

FX Indoor/Outdoor, OM4, Mini-Distribution, 48 Fibers, OFCP Aluminum Interlocked Armor, 12F/Sub-Units (3.0MM), 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 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:	0.118 in (3.0 mm)
Subunit Color:	Erika Violet
Subunit Strength Members:	Waterblocking Aramid Yarns
Central Strength Member:	GRP
Cable Core Waterblocking:	Waterblock Tape

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.318 in (8.1 mm)
Color:	Erika Violet

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.608 in (15.4 mm)
Color:	Erika Violet

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1100 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
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Mechanical Characteristics

Min. Bend Radius During Installation:	20x Cable OD
Min. Bend Radius During Operation:	15x Cable OD
Max. Tensile Strength During Installation:	1800 N (405 lbf)
Max. Tensile Strength During Operation:	540 N (121 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	229 lbs/kft (341 kg/km)

Temperature Range

Installation Temperature Range:	-10°C to +60°C
Operating Temperature Range:	-20°C to +70°C
Storage Temperature Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, UV Resistance
Sustainability:	CA Prop 65
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	FT6
ICEA Compliance:	S-104-696
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: 0.7 Revision Date: 12-04-2024
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Part Numbers

Variants

Item #	Color
FD4M048A2E	Erika Violet

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