



Product: [FD4M048A23](#)

FX Indoor/Outdoor OM4 Mini-Distribution 48 Fibers OFCP Aluminium Interlocked 3mm SubUnit

Product Description
FX Indoor/Outdoor, OM4, Mini-Distribution, 48 Fibers, OFCP, Aluminium Interlock Armor, 12F/Sub-Unit (3.0mm) Black Jacket / Aqua Sub-units

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
Number of Fillers:	0
Fibers Per Subunit:	12
Subunit Diameter:	0.120 in (3.0 mm)
Subunit Color:	Aqua
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking and nomex tape

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.421 in (10.7 mm)
Color:	Black

Armor Specifications

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

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.715 in (18.2 mm)
Color:	Black

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km

Mechanical Characteristics

Min. Bend Radius During Installation:	20x 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:	440 N/cm

Temperature Range

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

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	OFCP, UL 910, FT6
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	OFCP
ICEA Compliance:	S-104-696
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.15 Revision Date: 10-15-2024
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Part Numbers

Variants

Item #	Color
FD4M048A23	Black

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