



**Product:** [FD5M012A0](#)

Indoor/Outdoor Plenum OM5 Mini-Distribution 12 Fibers Aluminum Interlocked

### Product Description

FX Indoor/Outdoor, OM5, Mini-Distribution, 12 Fibers, OFCP, Aluminum Interlocked Armor, 4.8mm (Double Jacket), Black 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:	OM5
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	1
Fibers Per Subunit:	12
Subunit Diameter:	0.130 in (3.3 mm)
Subunit Color:	Lime Green
Subunit Strength Members:	Waterblocking Aramid Yarns

#### Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.265 in (6.7 mm)
Color:	Black

#### Armor Specifications

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

Jacket Material:	PVDF - Polyvinylidene Fluoride
Nom. Diameter:	0.555 in (14.1 mm)
Color:	Black

#### Optical Characteristics

Wavelength	850 nm	953 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km	1.0 dB/km
10 Gigabit Ethernet Performance	550 m	1100 m	1100 m
Min. Effective Modal Bandwidth (EMB)	4700 MHz.km	2470 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	3500 MHz.km	1850 MHz.km	500 MHz.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
Bulk Cable Weight:	186 lbs/kft (277 kg/km)

## Temperature Range

Installation Temperature Range:	0°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
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	FT6
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.4 Revision Date: 01-28-2025
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