



Product: [FD5D012A9](#)

Indoor/Outdoor Plenum OM5 Distribution 12 Fibers Aluminum Interlocked

Product Description

FX Indoor/Outdoor, OM5, Distribution Tight Buffer, 12 Fibers, OFCP, Aluminum Interlocked Armor Non-Unitized, Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

Fiber Specifications

Fiber Type:	OM5
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Buffer Diameter:	900 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.236 in (6 mm)
Color:	Black
Number of Ripcords:	1

Armor Specifications

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

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.531 in (13.5 mm)
Color:	Black

Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	1000 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:	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:	108 lbs/kft (161 kg/km)

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
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
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: 0.23 Revision Date: 01-07-2025
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