



Product: [FD5D024A9](#)

Indoor/Outdoor Plenum OM5 Distribution 24 Fibers Aluminum Interlocked

Product Description

FX Indoor/Outdoor, OM5, Distribution Tight Buffer, 24 Fibers, OFCP, Aluminum Interlocked Armor Non-Unitized, Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Mini Distribution Cable
Suitable Applications:	Premise Backbone

Fiber Specifications

Fiber Type:	OM5
Fiber Core Diameter:	50/125 µm
Fiber Diameter:	250 µm
Buffer Material:	PVC Thermoplastic
Buffer Diameter:	900 µm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

Inner Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Material:	Thermoplastic
Nom. Diameter:	0.330 in (8.4 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:	Thermoplastic
Nom. Diameter:	0.576 in (16 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:	150 lbs/kft (223 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, UV Resistance, Burial
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFCP, UL 910, FT6
NEC / UL Compliance:	OFCP
CEC / C(UL) Compliance:	OFCP
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA 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), REACH: 2020-01-16

History

Update and Revision:	Revision Number: 0.21 Revision Date: 10-15-2024
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Part Numbers

Variants

Item #	Color
FD5D024A9A	Aqua
FD5D024A9E	Erika Violet
FD5D024A9L	Lime Green
FD5D024A9O	Orange
FD5D024A9Y	Yellow

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