Product: FI5M012P0

Indoor Plenum OM5 Mini-Distribution 12 Fibers Lime Green Jacket

Product Description

FX Indoor, OM5, Mini-Distribution, 12 Fibers, OFNP, 4.8 mm (Double Jacket), Lime Green 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

Inner Jacket Specifications

Material:	Thermoplastic
Nominal Diameter@InnerJacket1 (cnv):	0.120 in (3.0 mm)
Color:	Lime Green

Outer Jacket Specifications

Jacket Material:	Thermoplastic
Nom. Diameter:	0.190 in (4.8 mm)
Outer Jacket Color:	Lime Green

Optical Characteristics

Wavelength	850 nm	953 nm	1300 nm
Max. Attenuation	3.0 dB/km	1.0 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance			--
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

Minimum Bend Radius During Installation:	15x Cable OD
Minimum 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:	110 N/cm
Bulk Cable Weight:	17 lbs/1000ft (25 kg/km)

Temperature Range

Installation Temperature Range:	0°C to +60°C

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

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNP, UL 910, FT6
NEC / UL Compliance:	OFNP
CEC / C(UL) Compliance:	OFNP
ICEA Compliance:	S-83-596
TIA/EIA Compliance:	ANSI/ICEA S-83-596
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: 0.96 Revision Date: 10-15-2024

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