

Product: FD3D012P9

Indoor/Outdoor Plenum OM3 Distribution 12 Fibers

Product Description

FX Indoor/Outdoor OM3 Distribution Tight Buffer 12 Fibers OFNP Non-Unitized Black Jacket

Technical Specifications

Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

Fiber Specifications

Fiber Type:	OM3
Fiber Core Diameter:	50/125 µm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Cable Construction

Cable Core Waterblocking:	Waterblocking Aramid Yarns

Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.230 in (5.8 mm)
Color:	Black
Number of Ripcords:	1

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	300 m	--
Min. Effective Modal Bandwidth (EMB)	2000 MHz.km	--
Min. Overfilled Launch (OFL) Bandwidth	1500 MHz.km	500 MHz.km

Mechanical Characteristics

Min. Bend Radius During Installation:	15x 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:	220 N/cm
Bulk Cable Weight:	21 lbs/kft (31 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, Burial
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFNP, FT6
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), REACH: 2020-01-16

History

Update and Revision:	Revision Number: 0.228 Revision Date: 11-09-2022

Part Numbers

Variants

Item #	Color	Putup Type	UPC
FD3D012P9	Black	Reel	612825367529

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