

Product: FDSM012P2

Indoor/Outdoor Plenum OS2 Mini-Distribution 12 Fibers 3mm SubUnit

Product Description

FX Indoor/Outdoor, OS2, Mini-Distribution, 12 Fibers, OFNP, 12F/Sub-Unit (3.00mm), 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:	OS2
Fiber Core Diameter:	8.2/125 µm
Fiber Diameter:	250 µm
Fiber Count:	12
Fiber Color Coding:	TIA-598-D

Inner Jacket Specifications

Strength Member:	Aramid Yarns
Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.130 in (3.3 mm)
Color:	Yellow
Number of Ripcords:	1

Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.265 in (6.7 mm)
Color:	Black
Number of Ripcords:	1

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.50 dB/km

Mechanical Characteristics

Min. Bend Radius During Installation:	15x Cable OD
Min. Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	110 N/cm
Bulk Cable Weight:	33 lbs/kft (49 kg/km)

Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	-20°C to +70°C
Storage Temperature Range:	-20°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, UV Resistance, Burial
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	OFNP, UL 910, FT6
NEC / UL Compliance:	OFNP
CEC / C(UL) Compliance:	OFNP
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)

History

Update and Revision:	Revision Number: 0.67 Revision Date: 10-15-2024

Part Numbers

Variants

Item #	Color
FDSM012P2A	Aqua
FDSM012P2E	Erika Violet
FDSM012P2L	Lime Green
FDSM012P2O	Orange
FDSM012P2Y	Yellow

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