



**Product:** [FDSM144P2](#) 

Indoor/Outdoor Mini-Distribution OS2 144 Fibers OFNP Sub-Units 3.0 mm (12F)

## Product Description

FX Indoor/Outdoor, Mini-Distribution, OS2, 144 Fibers, OFNP, Sub-Units 3.0 mm (12F), 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, G.657.A1, G.652.D
Fiber Diameter:	250 µm
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

### Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Diameter:	0.118 in (3.0 mm)
Subunit Color:	Yellow
Fiber SubUnit Strength Members:	Aramid Yarns
Central Strength Member Type:	GRP
Core Wrap Material:	Waterblock Tape

### Outer Jacket Specifications

Strength Member:	Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.680 in (17.3 mm)
Outer Jacket Color:	Black
Outer Jacket Ripcord:	1

### Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 dB/km
10 Gigabit Ethernet Performance	10,000 m	50,000 m
40 Gigabit Ethernet Performance	10,000 m	--
100 Gigabit Ethernet Performance	10,000 m	--

### Mechanical Characteristics

Minimum Bend Radius During Installation:	15x Cable OD
Minimum Bend Radius During Operation:	10x Cable OD
Max. Tensile Strength During Installation:	1800 N (405 lbf)
Max. Tensile Strength During Operation:	540 N (120 lbf)
Crush Resistance:	220 N/cm

Bulk Cable Weight:	208 lbs/kft (310 kg/km)
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## Temperature Range

Installation Temperature Range:	0°C to +60°C
Operating Temperature Range:	-20°C to +70°C
Storage Temperature Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	OFNP
CEC / C(UL) Compliance:	FT6
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	568.3, 598-D
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.5 Revision Date: 04-06-2026
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## Part Numbers

### Variants

Item #	Color	Putup Type
FDSM144P2	Black	Reel

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