



Product: [FDSD144FK](#)

Indoor/Outdoor Riser OS2 Distribution 144Fibers Aluminum Interlocked

Product Description

FX Indoor/Outdoor OS2 Distribution Tight Buffer 144 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) Black Jacket

Technical Specifications

Product Overview

Suitable Applications:	Premise Backbone
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Fiber Specifications

Fiber Type:	OS2
Fiber Core Diameter:	8.2/125 μm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 μm
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

Cable Construction

Number of Active Subunits:	12
Fibers Per Subunit:	12
Subunit Diameter:	0.230 in (5.8 mm)
Subunit Color:	Yellow
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape

Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	1.100 in (27.9 mm)
Color:	Black
Number of Ripcords:	1

Armor Specifications

Armor Type and Material:	AIA - Aluminum Interlock Armor
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Outer Jacket Specifications

Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	1.510 in (38.4 mm)
Color:	Black

Optical Characteristics

Wavelength	1310 nm	1550 nm
Max. Attenuation	0.5 dB/km	0.5 dB/km
Mode Field Diameter	9.2 μm	10.4 μm
1 Gigabit Ethernet Performance	5,000 m	--

Mechanical Characteristics

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	2670 N (600 lbf)
Max Tensile Strength During Operation:	800 N (180 lbf)
Crush Resistance:	440 N/cm
Bulk Cable Weight:	705 lbs/kft (1049 kg/km)

Temperature Range

Installation Temp Range:	-10°C to +60°C
Operating Temp Range:	-40°C to +70°C
Storage Temp Range:	-40°C to +70°C

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial
Sustainability:	CA Prop 65, Product Lens™
Flammability / Fire Resistance:	OFCR, FT4
ICEA Compliance:	S-104-696
European Directive Compliance:	EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16

History

Update and Revision:	Revision Number: 0.80 Revision Date: 08-31-2020
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