



**Product:** [FI1D144FK](#)

Indoor Riser OM1 Distribution 144Fibers Aluminum Interlocked

**Product Description**

FX Indoor OM1 Distribution Tight Buffer 144 Fibers OFCR Aluminum Interlocked Armor Sub-Units(12F) Orange Jacket

**Technical Specifications**

**Product Overview**

Suitable Applications:	Premise Backbone
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**Fiber Specifications**

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 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:	Orange
Subunit Strength Members:	Aramid yarns
Central Strength Member:	GRP
Core Wrap:	Mylar

**Inner Jacket Specifications**

Material:	PVC - Polyvinyl Chloride
Nominal Diameter:	1.076 in (27.3 mm)
Color:	Orange
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:	1.490 in (37.8 mm)
Color:	Orange

**Optical Characteristics**

Wavelength	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1.25 dB/km
1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	--

Min. Restricted Mode Launch	220 MHz.km	500 MHz.km
Min. Overfilled Launch (OFL) Bandwidth	200 MHz.km	500 MHz.km

## Mechanical Characteristics

Min Bend Radius During Installation:	20x 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:	440 N/cm
Bulk Cable Weight:	665 lbs/kf (990 kg/km)

## Temperature Range

Installation Temp Range:	-10°C to +60°C
Operating Temp Range:	-20°C to +70°C
Storage Temp Range:	-40°C to +70°C

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65, Product Lens™
Flammability / Fire Resistance:	OFCR, FT4
ICEA Compliance:	S-83-596
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: 0.70 Revision Date: 08-31-2020
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