



## Product: [FI2D144RK](#)

### Indoor Riser OM2 Distribution 144 Fibers

#### Product Description

FX Indoor OM2 Distribution Tight Buffer 144 Fibers OFNR Sub-Units (12F) Orange Jacket

#### Technical Specifications

##### Product Overview

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

##### Fiber Specifications

Fiber Type:	OM2
Fiber Core Diameter:	50/125 $\mu\text{m}$
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 $\mu\text{m}$
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

##### Outer Jacket Specifications

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	1.076 in (27.3 mm)
Color:	Orange
Number of Ripcords:	1

##### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.5 dB/km	1.25 dB/km
1 Gigabit Ethernet Performance	600 m	600 m
10 Gigabit Ethernet Performance	82 m	--
Min. Restricted Mode Launch	950 MHz.km	500 MHz.km
Min. Overfilled Launch (OFL) Bandwidth	700 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:	1320 N (300 lbf)
Max. Tensile Strength During Operation:	400 N (90 lbf)
Crush Resistance:	100 N/cm
Bulk Cable Weight:	357 lbs/kft (532 kg/km)

## Temperature Range

Installation Temperature Range:	-10°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
Sustainability:	CA Prop 65, Product Lens™
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-83-596
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: 0.148 Revision Date: 11-09-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FI2D144RK	Orange	Reel	612825370932

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