



Product: FD1D024RJ ☑

Indoor/Outdoor Riser OM1 Distribution 24Fibers

# **Product Description**

FX Indoor/Outdoor OM1 Distribution Tight Buffer 24 Fibers OFNR Sub-Units (6F) Black Jacket

# **Technical Specifications**

## **Product Overview**

Product Category:	Fiber Distribution Cable
Suitable Applications:	Premise Backbone

# **Fiber Specifications**

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 μm
Buffer Material:	PVC - Polyvinyl Chloride
Buffer Diameter:	900 μm
Fiber Count:	24
Fiber Color Coding:	TIA-598-D

## **Cable Construction**

Number of Active Subunits:	4
Fibers Per Subunit:	6
Subunit Diameter:	0.180 in (4.6 mm)
Subunit Color:	Orange
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	GRP
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Waterblock Tape

## **Outer Jacket Specifications**

Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.562 in (14.3 mm)
Color:	Black
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	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:	15x 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:	220 N/cm
Bulk Cable Weight:	109 lbs/kft (161 kg/km)

### **Temperature Range**

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

### **Standards and Compliance**

Environmental Suitability:	Indoor/Outdoor, Sunlight Resistance, Burial		
Sustainability:	Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available		
Flammability / Reaction to Fire:	OFNR, FT4		
ICEA Compliance:	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), REACH: 2020-01-16		

#### History

Update and Revision:	Revision Number: 0.79 Revision Date: 11-09-2022

#### **Part Numbers**

#### Variants

Item #	Color	Putup Type	UPC
FD1D024RJ	Black	Reel	612825367864

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