



**Product:** [FD1L144RG](#)

Indoor/Outdoor Riser Loose Tube OM1 144 Fibers

### Product Description

FX Indoor/Outdoor Loose Tube OM1 144 Fibers OFNR Sub-Units (12F) Gel Black

### Technical Specifications

#### Product Overview

Suitable Applications:	Campus Area Network, Backbone
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#### Fiber Specifications

Fiber Type:	OM1
Fiber Core Diameter:	62.5/125 $\mu$ m
Fiber Diameter:	250 $\mu$ m
Fiber Count:	144
Fiber Color Coding:	TIA-598-D

#### Cable Construction

Number of Active Subunits:	12
Number of Fillers:	0
Fibers Per Subunit:	12
Subunit Waterblocking:	Gel Filled
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Color:	TIA-598-D
Subunit Strength Members:	Waterblocking aramid yarns
Central Strength Member:	Upjacketed GRP
Core Wrap:	Waterblocking tape
Cable Core Waterblocking:	Waterblock Tape

#### Inner Jacket Specifications

Material:	PVC - Polyvinyl Chloride
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#### Outer Jacket Specifications

Strength Member:	Waterblocking Aramid Yarns
Jacket Material:	PVC - Polyvinyl Chloride
Nom. Diameter:	0.701 in (17.8 mm)
Color:	Black
Number of Ripcords:	2

#### Optical Characteristics

Wavelength	850 nm	1300 nm
Max. Attenuation	3.25 dB/km	1.0 dB/km
1 Gigabit Ethernet Performance	300 m	550 m
10 Gigabit Ethernet Performance	33 m	-
Min. Restricted Mode Launch	220 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:	176 lbs/kft (262 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
Sustainability:	CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Reaction to Fire:	OFNR, FT4
ICEA Compliance:	S-104-696
TIA/EIA Compliance:	ANSI/ICEA S-104-696

## History

Update and Revision:	Revision Number: 0.136 Revision Date: 11-09-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
FD1L144RG	Black	Reel	612825371168

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