



**Product:** [FD1Y018RE](#) 

Indoor/Outdoor Riser Tray Optic CPE OM1 18 Fibers

**Product Description**

FX Indoor/Outdoor Tray Optic CPE OM1 18 Fibers OFNR Sub-units(6F) Gel Orange Jacket

**Technical Specifications**

**Product Overview**

Construction Type:	TrayOptic
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Harsh Environment, Outdoor/Indoor, Oil Exposure, Wet Location, Direct Burial

**Construction**

**Fiber Cable Construction**

Fiber Type	Fiber Count
OM1	18

Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua
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**Buffer Specification**

Buffer Material
PBT

Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	89 lbs/1000ft

**SubUnit Specifications**

Number of Active Subunits:	3
Number of Subunit Positions:	6
Fibers Per Subunit:	6
Subunit Diameter:	0.075 in (1.9 mm)
Subunit Waterblocking:	Gel

**Physical Specifications**

Buffer Tube Waterblocking:	Gel Filled
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**Jacket Specifications**

Number of Jackets:	Double Jacket
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**Inner Jacket**

Number of Ripcords:	2
Color:	Black
Nominal Diameter:	0.305 in
Material:	PVC - Polyvinyl Chloride

**Outer Jacket**

## Outer Jacket Material

Material	Nominal Diameter
CPE - Chlorinated Polyethylene	0.440 in (11.2 mm)

Color:	Orange
Number of Ripcords:	2

## Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.25 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	33 m / 300 m
1 Gigabit Ethernet Performance:	275 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	200 MHz-km / 500 MHz-km

## Mechanical Characteristics

### Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	20x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	135 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	40 N (180 lbf)

## Temperature Range

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

## Standards

UL Rating/Flame Test:	Riser
CEC/C(UL) Compliance:	FT4
NEC/(UL) Compliance:	OFNR
TIA/EIA Compliance:	ANSI/ICEA S-104-696
RoHS:	Yes
UV/ Sunlight Protection:	Yes

## Part Number

### Variants

Item #	Color	UPC
FD1Y018RF	Orange	612825374930

## History

Update and Revision:	Revision Number: 0.71 Revision Date: 04-28-2020
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