



**Product:** [FD2Y048RG](#)

Indoor/Outdoor Riser Tray Optic CPE OM2 48 Fibers

### Product Description

FX Indoor/Outdoor Tray Optic CPE OM2 48 Fibers OFNR Sub-units(12F) 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
OM2	48

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:	125 lbs/1000ft

#### SubUnit Specifications

Number of Active Subunits:	4
Number of Subunit Positions:	6
Fibers Per Subunit:	12
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:	0.405 in
Material:	PVC - Polyvinyl Chloride

#### Outer Jacket

## Outer Jacket Material

Material	Nominal Diameter
CPE - Chlorinated Polyethylene	0.540 in (13.7 mm)

Color:	Orange
Number of Ripcords:	2

## Optical Characteristics

Effective Modal Bandwidth (EMB):	950 MHz-km / 500 MHz-km
Fiber Core Diameter:	50/125µm
Max Attenuation at 1300 nm:	1.0 dB/km
Max Attenuation at 850 nm:	3.0 dB/km
Wavelength:	850 nm / 1300 nm
10 Gigabit Ethernet Performance:	150 m / 300 m
1 Gigabit Ethernet Performance:	550 m / 550 m
Min Overfilled Launch (OFL) Bandwidth:	700 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
FD2Y048RG	Orange	612825375050

## History

Update and Revision:	Revision Number: 0.72 Revision Date: 02-16-2021
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