



Product: [FD1Y012RE](#) 

Indoor/Outdoor Riser Tray Optic CPE OM1 12 Fibers

Product Description

FX Indoor/Outdoor Tray Optic CPE OM1 12 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	12

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:	2
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
FD1Y012RF	Orange	612825374923

History

Update and Revision:	Revision Number: 0.72 Revision Date: 04-28-2020
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