

Product: [FD1T012RE](#) 

Indoor/Outdoor Tray Optic 12 Fiber OM1 Riser



REPRESENTATIVE IMAGE

Product Description

Indoor/Outdoor Tray Optic 12 Fiber, OM1 Sub-units(6F) Gel Orange OuterJacket OFNR

Technical Specifications

Product Overview

Construction Type:	Loose Tube
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Harsh Environment, Outdoor/Indoor, 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

Buffer Specification

Buffer Material
PBT

Central Strength Member:	GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	110 lbs/1000ft

SubUnit Specifications

Number of Active Subunits:	2
Number of Subunit Positions:	5
Fibers Per Subunit:	6
Subunit Diameter:	0.110 in (2.8 mm)
Subunit Waterblocking:	Gel

Physical Specifications

Buffer Tube Waterblocking:	Gel Filled
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Inner Jacket

Color:	Black
Nominal Diameter:	0.379 in (9.63 mm)
Material:	PVC - Polyvinyl Chloride

Outer Jacket

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.514 in (13.1 mm)

Color:	Orange
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Optical Characteristics

Effective Modal Bandwidth (EMB):	220 MHz-km / 500 MHz-km
Fiber Core Diameter:	62.5/125 µm
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 / -
1 Gigabit Ethernet Performance:	300 m / 550 m

Mechanical Characteristics

Mechanical Tests

Description	Requirement/Value
Cable Min. Bend Radius Installation (Short Term)	15x Cable OD
Cable Min. Bend Radius Operation (Long Term)	10x Cable OD
Cable Max. Tensile Strength Installation (Short Term)	2670 N (600 lbf)
Cable Max. Tensile Strength Operation (Long Term)	800 N (180 lbf)

Temperature Range

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

Standards

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
FD1T012RF	Orange	612825375456

History

Update and Revision:	Revision Number: 0.115 Revision Date: 08-12-2020
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