



Product: [FD1T018RE](#) 

Indoor/Outdoor Riser Tray Optic PVC OM1 18 Fibers

Product Description

FX Indoor/Outdoor Tray Optic PVC 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, 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
---------------------	---

Buffer Specification

Buffer Material
PBT

Central Strength Member:	Upjacketed GRP
Cable Core Water Blocking:	Waterblocking Tape
Bulk Cable Weight:	88 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
----------------------------	------------

Jacket Specifications

Number of Jackets:	Double Jacket
--------------------	---------------

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
PVC - Polyvinyl Chloride	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
FD1T018RF	Orange	612825375463

History

Update and Revision:	Revision Number: 0.76 Revision Date: 02-16-2021
----------------------	---

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.