



Part Number: FDSY012RF

Indoor/Outdoor Riser Tray Optic CPE OS2 12 Fibers

Product Description

FX Indoor/Outdoor Tray Optic CPE OS2 12 Fibers OFNR Sub-units(6F) Gel Yellow Jacket

Technical Specifications

Product Overview

Part Number:	FDSY012RF
Construction Type:	TrayOptic
Environmental Space:	Indoor/Outdoor
Suitable Applications:	Indoor/Outdoor

Construction

Fiber Cable Construction

Fiber Type	Fiber Count
OS2	12

Fiber Type:	OS2
Fiber Count:	12
Fiber Color Coding:	Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua

Buffer Specification

Fiber Type	Buffer Material
OS2	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:	0.078 (2.0)
SubUnit Waterblocking:	Gel

Physical Specifications

Buffer Tube Waterblocking:	Gel Filled
----------------------------	------------

Jacket Specifications

Number of Jackets:	Double Jacket
Number of Inner Jacket Ripcords:	2
Color@InnerJacket1:	Black
Nominal Diameter@InnerJacket1:	0.305 in
Material@InnerJacket1:	PVC

Outer Jacket Material

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

Outer Jacket Color:	Yellow
Number of Outer Jacket Ripcords:	2

Optical Characteristics

Mode Field Diameter:	9.2
Fiber Core Diameter:	8.2/125µm
Max Attenuation at 1310 nm:	0.4 dB/km
Max Attenuation at 1550 nm:	0.3 dB/km
Wavelength:	1310 nm / 1550 nm
10 Gigabit Ethernet Performance:	10,000 m / 40,000 m
1 Gigabit Ethernet Performance:	5,000 m / -

Mechanical Characteristics

Min Bend Radius During Installation:	20x Cable OD
Min Bend Radius During Operation:	10x Cable OD
Max Tensile Strength During Installation:	135 N (600 lbf)
Max Tensile Strength During Operation:	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) Specification:	FT4
NEC/(UL) Specification:	OFNR
Telecommunications Standards:	ANSI/ICEA S-104-696
RoHS:	Yes
UV/ Sunlight Protection:	Yes

History

Variants

Item #	Color
FDSY012RF	Yellow

© 2018 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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Belden Wire & Cable:](#)

[FDSY012RF](#)