



Product: [FD1Y008RE](#) 

Indoor/Outdoor Riser Tray Optic CPE OM1 8 Fibers

Product Description

FX Indoor/Outdoor Tray Optic CPE OM1 8 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, Crush |

Construction

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM1 | 8 |

| | |
|---------------------|---|
| Fiber Color Coding: | Blue, Orange, Green, Brown, Gray, White, Red, Black |
|---------------------|---|

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: | 4 |
| 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 |
|--------------------------------|--------------------|
| 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 |
|-----------|--------|
| FD1Y008RF | Orange |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.69 Revision Date: 04-28-2020 |
|----------------------|---|

© 2020 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.