



Part Number: FD2D048LKO

Indoor/Outdoor Riser OM2 Distribution Tight Buffer 48f

Product Description

FX Indoor/Outdoor OM2 Distribution Tight Buffer 48 Fibers LSZH Sub-Units (12F) Orange Jacket

Technical Specifications

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number: | FD2D048LKO |
| Construction Type: | Distribution |
| Environmental Space: | Indoor/Outdoor |
| Print Legend: | BELDEN 48xOM2 IN/OUTDOOR DISTRIBUTION CABLE FD2D048LKO E95466(-PLANT ID) (UL) TYPE OFNR C(UL) OFNR --- FT4 --- ROHS (LOT NUMBER) (MMYYYY DATE CODE) (SEQUENTIAL MATERIAL) |
| Suitable Applications: | Indoor / Outdoor |

Fiber Cable Construction

| Fiber Type | Fiber Count |
|------------|-------------|
| OM2 | 48 |

| | |
|---------------------|---------------------------------------------------------------------------------|
| Fiber Type: | OM2 |
| Fiber Count: | 48 |
| Fiber Color Coding: | Blue, Orange, Green, Brown, Gray, White, Red, Black, Yellow, Violet, Pink, Aqua |

Buffer Specification

| Fiber Type | Buffer Material | Buffer Diameter |
|------------|-----------------|-----------------|
| OM2 | Thermoplastic | 900 µm |

| | |
|------------------------------|-----------------------------|
| Central Strength Member: | Upjacketed GRP |
| Cable Core Water Blocking: | Waterblocking Tape |
| Number of Active Subunits: | 4 |
| Number of Subunit Positions: | 4 |
| Fibers Per Subunit: | 12 |
| SubUnit Diameter: | 0.230 in (5.8 mm) |
| SubUnit Waterblocking: | Water Blocking Aramid Yarns |
| Number of Jackets: | Single Jacket |

Outer Jacket Material

| Material | Nominal Diameter |
|----------|-------------------|
| LSZH | 0.69 in (17.5 mm) |

| | |
|----------------------------------------|-------------------------|
| Outer Jacket Color: | Orange |
| Number of Outer Jacket Ripcords: | 1 |
| Effective Modal Bandwidth (EMB): | 950 MHz-km / 500 MHz-km |
| Fiber Core Diameter: | 50/125µm |
| Max Attenuation at 1300 nm: | 1.25 dB/km |
| Max Attenuation at 850 nm: | 3.5 dB/km |
| Wavelength: | 850 nm / 1300 nm |
| 10 Gigabit Ethernet Performance: | 150 m / 300 m |
| 1 Gigabit Ethernet Performance: | 550 m / 550 m |
| Min Overfilled Launch (OFL) Bandwidth: | 700 MHz-km / 500 MHz-km |
| Min Bend Radius During Installation: | 20x Cable OD |
| Min Bend Radius During Operation: | 10x Cable OD |

| | |
|-------------------------------------------|---------------------|
| Max Tensile Strength During Installation: | 600 (2670) |
| Max Tensile Strength During Operation: | 200 (880) |
| Operating Temp Range: | -40C to +70C |
| Installation Temp Range: | -20C to +70C |
| Storage Temp Range: | -40C to +70C |
| UL Rating/Flame Test: | Riser |
| CEC/C(UL) Specification: | OFNR |
| Telecommunications Standards: | ANSI/ICEA S-104-696 |
| RoHS: | Yes |

Variants

| Item # | Color |
|------------|--------|
| FD2D048LKO | Orange |

© 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:](#)

[FD2D048LKO](#)