



**Part Number:** FI2D048RK

Indoor Riser OM2 Distribution Tight Buffer 48 Fibers

**Product Description**

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

**Technical Specifications**

**Product Overview**

|                        |              |
|------------------------|--------------|
| Part Number:           | FI2D048RK    |
| Construction Type:     | Distribution |
| Environmental Space:   | Indoor       |
| Suitable Applications: | Indoor       |

**Construction**

**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**

| Buffer Material | Buffer Diameter |
|-----------------|-----------------|
| Thermoplastic   | 900 µm          |

|                          |                |
|--------------------------|----------------|
| Central Strength Member: | Upjacketed GRP |
|--------------------------|----------------|

**SubUnit Specifications**

|                              |                   |
|------------------------------|-------------------|
| Number of Active Subunits:   | 4                 |
| Number of Subunit Positions: | 4                 |
| Fibers Per Subunit:          | 12                |
| SubUnit Diameter:            | 0.230 in (5.8 mm) |
| SubUnit Waterblocking:       | no                |

**Jacket Specifications**

|                    |               |
|--------------------|---------------|
| Number of Jackets: | Single Jacket |
|--------------------|---------------|

**Outer Jacket Material**

| Material | Nominal Diameter  |
|----------|-------------------|
| PVC      | 0.66 in (16.8 mm) |

|                                  |        |
|----------------------------------|--------|
| Outer Jacket Color:              | Orange |
| Number of Outer Jacket Ripcords: | 1      |

**Optical Characteristics**

|                                  |                         |
|----------------------------------|-------------------------|
| 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 |

## Mechanical Characteristics

|   |                 |
|---|-----------------|
| Min Bend Radius During Installation:      | 20x Cable OD    |
| Min Bend Radius During Operation:         | 10x Cable OD    |
| Max Tensile Strength During Installation: | 144 N (640 lbf) |
| Max Tensile Strength During Operation:    | 72 N (320 lbf)  |

## Temperature Range

|                          |              |
|--------------------------|--------------|
| Operating Temp Range:    | -20C to +70C |
| Installation Temp Range: | -10C to +60C |
| Storage Temp Range:      | -40C to +70C |

## Standards

|                               |                    |
|-------------------------------|--------------------|
| UL Rating/Flame Test:         | Riser              |
| CEC/C(UL) Specification:      | OFNR               |
| Telecommunications Standards: | ANSI/ICEA S-83-596 |
| RoHS:                         | Yes                |

## History

### Variants

| Item #    | Color  | UPC          |
|-----------|--------|--------------|
| F12D048RK | Orange | 612825370710 |

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