



**Product:** [FD2D002R9](#)

Indoor/Outdoor Riser OM2 Distribution 2 Fibers

**Product Description**  
FX Indoor/Outdoor OM2 Distribution Tight Buffer 2 Fibers OFNR Non-Unitized Black Jacket

**Technical Specifications**

**Product Overview**

|                        |                          |
|------------------------|--------------------------|
| Product Category:      | Fiber Distribution Cable |
| Suitable Applications: | Premise Backbone         |

**Fiber Specifications**

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OM2                      |
| Fiber Core Diameter: | 50/125 µm                |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 2                        |
| Fiber Color Coding:  | TIA-598-D                |

**Cable Construction**

|                           |                            |
|---------------------------|----------------------------|
| Cable Core Waterblocking: | Waterblocking Aramid Yarns |
|---------------------------|----------------------------|

**Outer Jacket Specifications**

|                     |                            |
|---------------------|----------------------------|
| Strength Member:    | Waterblocking Aramid Yarns |
| Jacket Material:    | PVC - Polyvinyl Chloride   |
| Nom. Diameter:      | 0.184 in (4.7 mm)          |
| Color:              | Black                      |
| Number of Ripcords: | 1                          |

**Optical Characteristics**

| Wavelength                             | 850 nm     | 1300 nm    |
|----------------------------------------|------------|------------|
| Max. Attenuation                       | 3.5 dB/km  | 1.25 dB/km |
| 1 Gigabit Ethernet Performance         | 600 m      | 600 m      |
| 10 Gigabit Ethernet Performance        | 82 m       | --         |
| Min. Restricted Mode Launch            | 950 MHz.km | 500 MHz.km |
| Min. Overfilled Launch (OFL) Bandwidth | 700 MHz.km | 500 MHz.km |

**Mechanical Characteristics**

|                                            |                       |
|--------------------------------------------|-----------------------|
| Min. Bend Radius During Installation:      | 15x Cable OD          |
| Min. Bend Radius During Operation:         | 10x Cable OD          |
| Max. Tensile Strength During Installation: | 660 N (150 lbf)       |
| Max. Tensile Strength During Operation:    | 200 N (45 lbf)        |
| Crush Resistance:                          | 220 N/cm              |
| Bulk Cable Weight:                         | 14 lbs/kft (21 kg/km) |

**Temperature Range**

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range:    | -40°C to +70°C |
| Storage Temperature Range:      | -40°C to +70°C |

Standards and Compliance

|                                  |                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor/Outdoor, Sunlight Resistance, Burial                                                                                             |
| Sustainability:                  | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available                                                            |
| Flammability / Reaction to Fire: | OFNR, FT4                                                                                                                               |
| ICEA Compliance:                 | S-104-696                                                                                                                               |
| European Directive Compliance:   | EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16 |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.78 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FD2D002R9 | Black | Reel       | 612825367710 |

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