



Product: [FD4D004R9](#)

Indoor/Outdoor Riser OM4 Distribution 4 Fibers

**Product Description**  
FX Indoor/Outdoor OM4 Distribution Tight Buffer 4 Fibers OFNR Non-Unitized Black Jacket

**Technical Specifications**

Product Overview

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

Fiber Specifications

|                      |                          |
|----------------------|--------------------------|
| Fiber Type:          | OM4                      |
| Fiber Core Diameter: | 50/125 µm                |
| Buffer Material:     | PVC - Polyvinyl Chloride |
| Buffer Diameter:     | 900 µm                   |
| Fiber Count:         | 4                        |
| 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:      | 0.200 in (5.1 mm)          |
| Color:              | Black                      |
| Number of Ripcords: | 1                          |

Optical Characteristics

| Wavelength                             | 850 nm      | 1300 nm    |
|----------------------------------------|-------------|------------|
| Max. Attenuation                       | 3.0 dB/km   | 1.0 dB/km  |
| 1 Gigabit Ethernet Performance         | 1100 m      | 550 m      |
| 10 Gigabit Ethernet Performance        | 550 m       | --         |
| Min. Effective Modal Bandwidth (EMB)   | 4700 MHz.km | --         |
| Min. Overfilled Launch (OFL) Bandwidth | 3500 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:                         | 17 lb/ft (25 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: 0.73 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FD4D004R9 | Black | Reel       | 612825379614 |

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