



Product: [FD4D096LKA](#)

Indoor/Outdoor Riser OM4 Distribution 96Fibers

Product Description

FX Indoor/Outdoor OM4 Distribution Tight Buffer 96 Fibers LSZH Sub-Units (12F) Aqua 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:     | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter:     | 900 µm                        |
| Fiber Count:         | 96                            |
| Fiber Color Coding:  | TIA-598-D                     |

Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 8                          |
| Fibers Per Subunit:        | 12                         |
| Subunit Diameter:          | 0.230 in (5.8 mm)          |
| Subunit Color:             | Aqua                       |
| Subunit Strength Members:  | Waterblocking aramid yarns |
| Central Strength Member:   | Upjacketed GRP             |
| Core Wrap:                 | Waterblocking tape         |
| Cable Core Waterblocking:  | Waterblock Tape            |

Outer Jacket Specifications

|                     |   |
|---------------------|---|
| Jacket Material:    | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.977 in (24.8 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: | 2670 N (600 lbf)        |
| Max. Tensile Strength During Operation:    | 800 N (180 lbf)         |
| Crush Resistance:                          | 220 N/cm                |
| Bulk Cable Weight:                         | 343 lbs/kft (511 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, 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: 0.221 Revision Date: 11-09-2022 |
|----------------------|--|

Part Numbers

Variants

| Item #     | Color | Putup Type | UPC          |
|------------|-------|------------|--------------|
| FD4D096LKA | Aqua  | Reel       | 612825368137 |

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