



Product: [FI4D144PK](#) 

Indoor Plenum OM4 Distribution 144 Fibers

Product Description

FX Indoor OM4 Distribution Tight Buffer 144 Fibers OFNP Sub-Units (12F) Erika Violet Jacket

Technical Specifications

Product Overview

|                        |                  |
|------------------------|------------------|
| 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:         | 144                      |
| Fiber Color Coding:  | TIA-598-D                |

Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 12                |
| Fibers Per Subunit:        | 12                |
| Subunit Waterblocking:     | no                |
| Subunit Diameter:          | 0.220 in (5.6 mm) |
| Subunit Color:             | Erika Violet      |
| Subunit Strength Members:  | Aramid yarns      |
| Central Strength Member:   | GRP               |
| Core Wrap:                 | Nomex Tape        |

Outer Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Material:           | PVC - Polyvinyl Chloride |
| Nominal Diameter:   | 1.032 in (26.2 mm)       |
| Color:              | Erika Violet             |
| Number of Ripcords: | 1                        |

Optical Characteristics

| Wavelength                             | 850 nm      | 1300 nm    |
|----------------------------------------|-------------|------------|
| Max. Attenuation                       | 3.0 dB/km   | 1.0 dB/km  |
| 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: | 1320 N (300 lbf) |

|                                        |                         |
|----------------------------------------|-------------------------|
| Max Tensile Strength During Operation: | 400 N (90 lbf)          |
| Crush Resistance:                      | 100 N/cm                |
| Bulk Cable Weight:                     | 364 lbs/kft (542 kg/km) |

Temperature Range

|                          |                |
|--------------------------|----------------|
| Installation Temp Range: | 0°C to +60°C   |
| Operating Temp Range:    | 0°C to +70°C   |
| Storage Temp Range:      | -40°C to +70°C |

Standards and Compliance

|                                 |                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:      | Indoor                                                                                                         |
| Sustainability:                 | CA Prop 65, Product Lens™                                                                                      |
| Flammability / Fire Resistance: | OFNP, FT6                                                                                                      |
| ICEA Compliance:                | S-83-596                                                                                                       |
| European Directive Compliance:  | EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16 |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.61 Revision Date: 08-31-2020 |
|----------------------|-------------------------------------------------|

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