



**Product:** [FISM144P1](#)

Indoor Plenum OS2 Mini-Distribution 144F 2mm SubUnits Y

### Product Description

FX Indoor OS2 Mini-Distribution 144 Fibers OFNP Sub-Units (2.0MM) Yellow Jacket

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Data Center, RAN, Horizontal Backbone, Premise Backbone, Patching, Trunking |
|------------------------|---|

#### Fiber Specifications

|                      |            |
|----------------------|------------|
| Fiber Type:          | OS2        |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Diameter:      | 250 µm     |
| Fiber Count:         | 144        |
| Fiber Color Coding:  | TIA-598-D  |

#### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 12                |
| Fibers Per Subunit:        | 12                |
| Subunit Diameter:          | 0.078 in (2.0 mm) |
| Subunit Strength Members:  | Aramid yarns      |
| Central Strength Member:   | Upjacketed GRP    |

#### Outer Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Strength Member:    | Aramid Yarns             |
| Jacket Material:    | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.400 in (10.3 mm)       |
| Color:              | Yellow                   |
| Number of Ripcords: | 2                        |

#### Optical Characteristics

| Wavelength                      | 1310 nm    | 1550 nm    |
|---------------------------------|------------|------------|
| Max. Attenuation                | 0.40 dB/km | 0.30 dB/km |
| Mode Field Diameter             | 9.2 µm     | 10.4 µm    |
| 1 Gigabit Ethernet Performance  | 5,000 m    | --         |
| 10 Gigabit Ethernet Performance | 10,000 m   | 40,000 m   |

#### Mechanical Characteristics

|  |                        |
|--|------------------------|
| Min. Bend Radius During Installation:      | 15x Cable OD           |
| Min. Bend Radius During Operation:         | 10x Cable OD           |
| Max. Tensile Strength During Installation: | 670 N (150 lbf)        |
| Max. Tensile Strength During Operation:    | 200 N (45 lbf)         |
| Crush Resistance:                          | 110 N/cm               |
| Bulk Cable Weight:                         | 67 lbs/kft (100 kg/km) |

## Temperature Range

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

## Standards and Compliance

|                                  |                    |
|----------------------------------|--------------------|
| Environmental Suitability:       | Indoor             |
| Sustainability:                  | CA Prop 65         |
| Flammability / Reaction to Fire: | OFNP, FT6          |
| ICEA Compliance:                 | S-83-596           |
| TIA/EIA Compliance:              | ANSI/ICEA S-83-596 |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.78 Revision Date: 10-15-2024 |
|----------------------|---|

## Part Numbers

### Variants

| Item #    | Color  | Putup Type | UPC          |
|-----------|--------|------------|--------------|
| FISM144P1 | Yellow | Reel       | 612825287186 |

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