



**Product:** [FDSM006P2](#)

Indoor/Outdoor Plenum, OS2, 6 Fibers, Plenum

### Product Description

Indoor/Outdoor, OS2, Mini-Distribution, 6 Fibers, Plenum, 3.0mm, 16 x 250um Fiber

### Technical Specifications

#### Product Overview

|                        |                   |
|------------------------|-------------------|
| Construction Type:     | Mini Distribution |
| Environmental Space:   | Indoor/Outdoor    |
| Suitable Applications: | Indoor/Outdoor    |

#### Construction

##### Fiber Cable Construction

|                            |                    |
|----------------------------|--------------------|
| <b>Fiber Count</b>         | 6                  |
| Central Strength Member:   | GRP                |
| Cable Core Water Blocking: | Waterblocking Tape |

#### SubUnit Specifications

|                              |                   |
|------------------------------|-------------------|
| Number of Active Subunits:   | 1                 |
| Number of Subunit Positions: | 1                 |
| Fibers Per Subunit:          | 6                 |
| Subunit Diameter:            | 0.118 in (3.0 mm) |

#### Jacket Specifications

|                    |               |
|--------------------|---------------|
| Number of Jackets: | Double Jacket |
|--------------------|---------------|

#### Inner Jacket

|           |                          |
|-----------|--------------------------|
| Color:    | Yellow                   |
| Material: | PVC - Polyvinyl Chloride |

#### Outer Jacket

##### Outer Jacket Material

|                         |                  |
|-------------------------|------------------|
| <b>Nominal Diameter</b> | 0.27 in (6.9 mm) |
| Number of Ripcords:     | 2                |
| Nominal Diameter:       | 0.265 (9.9)      |

#### Optical Characteristics

|                             |           |
|-----------------------------|-----------|
| Mode Field Diameter:        | 9.2       |
| Fiber Core Diameter:        | 8.2/125µm |
| Max Attenuation at 1310 nm: | 0.4 dB/km |
| Max Attenuation at 1550 nm: | 0.3 dB/km |

|                                  |                     |
|----------------------------------|---------------------|
| Wavelength:                      | 1310 nm / 1550 nm   |
| 10 Gigabit Ethernet Performance: | 10,000 m / 40,000 m |
| 1 Gigabit Ethernet Performance:  | 5,000 m / -         |

## Mechanical Characteristics

### Mechanical Tests

| Description                                      | Requirement/Value |
|--|-------------------|
| Cable Min. Bend Radius Installation (Short Term) | 20x Cable OD      |
| Cable Min. Bend Radius Operation (Long Term)     | 15x Cable OD      |

### Standards

|                       |                     |
|-----------------------|---------------------|
| UL Rating/Flame Test: | OFNP                |
| C (UL) US:            | FT6                 |
| TIA/EIA Compliance:   | ANSI/ICEA S-104-696 |
| RoHS:                 | Yes                 |

### Part Number

#### Variants

| Item #    | Color | UPC          |
|-----------|-------|--------------|
| FDSM006P2 | Black | 612825394235 |

### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.54 Revision Date: 01-31-2020 |
|----------------------|---|

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