



**Product:** [FS2H0366F](#)

## Outdoor Heavy Duty Loose Tube OM2 36 Fibers

### Product Description

FX Outdoor Heavy Duty Loose Tube OM2 36 Fibers OSP Corrugated Steel Tape Armor Sub-Units (6F) Gel Black

### Technical Specifications

#### Product Overview

|                        |                                          |
|------------------------|------------------------------------------|
| Suitable Applications: | Campus Area Network, Long Haul, Backbone |
|------------------------|------------------------------------------|

#### Fiber Specifications

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM2       |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter:      | 250 µm    |
| Fiber Count:         | 36        |
| Fiber Color Coding:  | TIA-598-D |

#### Cable Construction

|                            |                   |
|----------------------------|-------------------|
| Number of Active Subunits: | 6                 |
| Fibers Per Subunit:        | 6                 |
| Subunit Waterblocking:     | Gel Filled        |
| Subunit Diameter:          | 0.078 in (2.0 mm) |
| Central Strength Member:   | Upjacketed GRP    |
| Core Wrap:                 | Nomex tape        |
| Cable Core Waterblocking:  | Waterblock Tape   |

#### Inner Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Strength Member:    | Aramid Yarns             |
| Material:           | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.324 in (8.2 mm)        |
| Color:              | Black                    |
| Number of Ripcords: | 2                        |

#### Armor Specifications

|                          |                             |
|--------------------------|-----------------------------|
| Armor Type and Material: | CST - Corrugated Steel Tape |
|--------------------------|-----------------------------|

#### Outer Jacket Specifications

|                     |                          |
|---------------------|--------------------------|
| Jacket Material:    | PVC - Polyvinyl Chloride |
| Nom. Diameter:      | 0.530 in (13.5 mm)       |
| Color:              | Black                    |
| Number of Ripcords: | 2                        |

#### Optical Characteristics

| Wavelength                     | 850 nm    | 1300 nm   |
|--------------------------------|-----------|-----------|
| Max. Attenuation               | 3.0 dB/km | 1.0 dB/km |
| 1 Gigabit Ethernet Performance | 600 m     | 600 m     |

|                                        |            |            |
|----------------------------------------|------------|------------|
| 10 Gigabit Ethernet Performance        | 82 m       | -          |
| Min. Restricted Mode Launch            | 950 MHz.km | 500 MHz.km |
| Min. Overfilled Launch (OFL) Bandwidth | 700 MHz.km | 500 MHz.km |

## Mechanical Characteristics

|                                            |                  |
|--------------------------------------------|------------------|
| Min. Bend Radius During Installation:      | 20x 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:                          | 440 N/cm         |
| Bulk Cable Weight:                         | 102              |

## Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | -30°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: | Outdoor                   |
| Sustainability:            | CA Prop 65, Product Lens™ |
| ICEA Compliance:           | S-87-640                  |
| TIA/EIA Compliance:        | ANSI/ICEA S-87-640        |

## History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.96 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

## Part Numbers

### Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FS2H0366F | Black | Reel       | 612825388500 |

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