



Product: [FS3L036NG](#)

Outdoor Loose Tube OM3 36 Fibers

Product Description

FX Outdoor Loose Tube OM3 36 Fibers OSP Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

|                        |                                        |
|------------------------|----------------------------------------|
| Suitable Applications: | Outdoor, Campus Area Network, Backbone |
|------------------------|----------------------------------------|

Fiber Specifications

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM3       |
| 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: | 3                  |
| Number of Fillers:         | 3                  |
| Fibers Per Subunit:        | 12                 |
| Subunit Waterblocking:     | Gel Filled         |
| Subunit Diameter:          | 0.098 in (2.5 mm)  |
| Central Strength Member:   | GRP                |
| Core Wrap:                 | Waterblocking Tape |
| Cable Core Waterblocking:  | Waterblock Tape    |

Inner Jacket Specifications

|           |                   |
|-----------|-------------------|
| Material: | PE - Polyethylene |
|-----------|-------------------|

Outer Jacket Specifications

|                     |                            |
|---------------------|----------------------------|
| Strength Member:    | Waterblocking Aramid Yarns |
| Jacket Material:    | PE - Polyethylene          |
| Nom. Diameter:      | 0.410 in (10.4 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         | 1000        | 550        |
| 10 Gigabit Ethernet Performance        | 300 m       | --         |
| Min. Effective Modal Bandwidth (EMB)   | 2000 MHz-km | --         |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 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:                         | 47 lbs/kft (70 kg/km) |

Temperature Range

|                                 |              |
|---------------------------------|--------------|
| Installation Temperature Range: | -30C to +70C |
| Operating Temperature Range:    | -40C to +70C |
| Storage Temperature Range:      | -40C to +75C |

Standards and Compliance

|                            |                    |
|----------------------------|--------------------|
| Environmental Suitability: | Outdoor, Burial    |
| Sustainability:            | CA Prop 65         |
| ICEA Compliance:           | S-87-640           |
| TIA/EIA Compliance:        | ANSI/ICEA S-87-640 |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.83 Revision Date: 04-01-2024 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FS3L036NG | Black | Reel       | 612825371908 |

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