



Product: [FS3L048ND](#)

Loose Tube OM3 48 Fibers OSP Dry Block

**Product Description**  
FX Outdoor Loose Tube OM3 48 Fibers OSP Sub-Units(12F) Dry Black

**Technical Specifications**

Product Overview

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

Fiber Specifications

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM3       |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Diameter:      | 250 µm    |
| Fiber Count:         | 48        |
| Fiber Color Coding:  | TIA-598-D |

Cable Construction

|                            |                 |
|----------------------------|-----------------|
| Number of Active Subunits: | 4               |
| Number of Fillers:         | 1               |
| Fibers Per Subunit:        | 12              |
| Subunit Waterblocking:     | Gel Free        |
| Central Strength Member:   | GRP             |
| 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:      | 0.40 in (10.2 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:                         | 43 lbs/kft (64 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: 0.80 Revision Date: 11-09-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FS3L048ND | Black | Reel       | 612825384182 |

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