



Product: [FD1H0245G](#)

Indoor/Outdoor Riser Heavy Duty Loose Tube OM1 24 Fibers

Product Description

FX Indoor/Outdoor Heavy Duty Loose Tube OM1 24 Fibers OFCR Corrugated Steel Tape Armor Sub-Units (12F) Gel Black

Technical Specifications

Product Overview

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

Fiber Specifications

|                      |             |
|----------------------|-------------|
| Fiber Type:          | OM1         |
| Fiber Core Diameter: | 62.5/125 µm |
| Fiber Diameter:      | 250 µm      |
| Fiber Count:         | 24          |
| Fiber Color Coding:  | TIA-598-D   |

Cable Construction

|                            |                    |
|----------------------------|--------------------|
| Number of Active Subunits: | 2                  |
| Number of Fillers:         | 3                  |
| Fibers Per Subunit:        | 12                 |
| Subunit Waterblocking:     | Gel Filled         |
| Subunit Diameter:          | 0.110 in (2.8 mm)  |
| Central Strength Member:   | GRP                |
| Core Wrap:                 | Waterblocking tape |
| Cable Core Waterblocking:  | Waterblock Tape    |

Inner Jacket Specifications

|                     |                            |
|---------------------|----------------------------|
| Strength Member:    | Waterblocking Aramid Yarns |
| Material:           | PVC - Polyvinyl Chloride   |
| Nom. Diameter:      | 0.394 in (10.0 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:      | 0.630 in (16.0 mm)       |
| Color:              | Black                    |
| Number of Ripcords: | 2                        |

Optical Characteristics

|            |        |         |
|------------|--------|---------|
| Wavelength | 850 nm | 1300 nm |
|------------|--------|---------|

|                                        |            |            |
|----------------------------------------|------------|------------|
| Max. Attenuation                       | 3.25 dB/km | 1.0 dB/km  |
| 1 Gigabit Ethernet Performance         | 300 m      | 550 m      |
| 10 Gigabit Ethernet Performance        | 33 m       | -          |
| Min. Restricted Mode Launch            | 220 MHz.km | -          |
| Min. Overfilled Launch (OFL) Bandwidth | 200 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:                         | 170              |

Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°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:       | Indoor/Outdoor, Sunlight Resistance, Burial                                  |
| Sustainability:                  | CA Prop 65, Product Lens™, Environmental Product Declaration (EPD) Available |
| Flammability / Reaction to Fire: | OFCR, FT4                                                                    |
| ICEA Compliance:                 | S-104-696                                                                    |
| TIA/EIA Compliance:              | ANSI/ICEA S-104-696                                                          |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.126 Revision Date: 11-09-2022 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #    | Color | Putup Type | UPC          |
|-----------|-------|------------|--------------|
| FD1H0245G | Black | Reel       | 612825388609 |

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