



Product: [FM4MMBD010MPUEE](#)

FMT OM4 MPO12(M-M) B 144F 10M OFNP MD\_2.0 1.0xINLINE EV



### Product Description

FX MPO TRUNK, OM4, MPO-12(MALE TO MALE), TYPE-B, xxx M (LENGTH IN METERS)PO (144 FIBERS), 10 M, OFNP, MINI-DISTRIBUTION (2.0MM SUB-UNITS), FAN-OUT: 1.0M x IN-LINE, ERIKA VIOLET JACKET

### Technical Specifications

#### Product Overview

|                        |  |
|------------------------|--|
| Suitable Applications: | Data Center, LAN, Equipment Room, Telecommunication room, Workstation Area |
|------------------------|--|

#### Fiber Specifications

|                      |           |
|----------------------|-----------|
| Fiber Type:          | OM4       |
| Fiber Core Diameter: | 50/125 µm |
| Fiber Count:         | 144       |
| Fiber Color Coding:  | TIA-598-D |

#### Physical Specifications

##### Connectors

| Description               | Type        | Housing Material | Housing Color | Boot Material | Boot Color |
|---------------------------|-------------|------------------|---------------|---------------|------------|
| Connector A (Inside End)  | MPO-12 Male | Plastic          | Erika Violet  | Rubber        | Black      |
| Connector B (Outside End) | MPO-12 Male | Plastic          | Erika Violet  | Rubber        | Black      |

##### Fan-out (Legs)

| Description               | Transition | Length (m) | Diameter | Geometry |
|---------------------------|------------|------------|----------|----------|
| Connector A (Inside End)  | LPM        | 1.0 m      | 2.0 mm   | In-Line  |
| Connector B (Outside End) | LPM        | 1.0 m      | 2.0 mm   | In-Line  |

##### Assembly Cable

| Cable Nominal OD | Jacket Color |
|------------------|--------------|
| 9.9 mm           | Erika Violet |

##### Measurement

| Overall Assembly Length | Packaging                                |
|-------------------------|--|
| 10 m (32.8 ft)          | Individually packaged in a plastic spool |

##### Overall Length Tolerances

| Range             | Tolerance       |
|-------------------|-----------------|
| 0 to 2 meters     | +0.2 / -0 meter |
| 2.1 to 4.9 meters | +0.3 / -0 meter |
| 5 to 40 meters    | +0.4 / -0 meter |
| over 40 meters    | +1.0% / -0%     |

#### Armor Specifications

|                          |          |
|--------------------------|----------|
| Armor Type and Material: | No Armor |
|--------------------------|----------|

#### Optical Characteristics

|                          |        |
|--------------------------|--------|
| Polarity Identification: | Type-B |
|--------------------------|--------|

#### Fiber Connector Performance

| Description               | Connector Type | Max. Insertion Loss | Min. Return Loss |
|---------------------------|----------------|---------------------|------------------|
| Connector A (Inside End)  | MPO-12 Male    | 0.20 dB             | 30 dB            |
| Connector B (Outside End) | MPO-12 Male    | 0.20 dB             | 30 dB            |

#### Mechanical Characteristics

|                                       |                |
|---------------------------------------|----------------|
| Pulling Eye Type:                     | FX Pulling Eye |
| Pulling Eye Location:                 | Outside End    |
| Pulling Eye Tension:                  | 100 lbs        |
| Min. Bend Radius During Installation: | 15x Cable OD   |
| Min. Bend Radius During Operation:    | 10x Cable OD   |

#### Temperature Range

|                              |              |
|------------------------------|--------------|
| Operating Temperature Range: | -10C to +60C |
| Storage Temperature Range:   | -10C to +60C |

#### Standards and Compliance

|                                  |                                  |
|----------------------------------|----------------------------------|
| Environmental Suitability:       | Indoor                           |
| Flammability / Reaction to Fire: | OFNP                             |
| UL Rating:                       | Plenum                           |
| TIA/EIA Compliance:              | TIA/EIA 568.3                    |
| European Directive Compliance:   | EU Directive 2011/65/EU (RoHS 2) |
| MII Order #39 (China RoHS):      | EUP 50                           |
| Other Standard Compliance(s):    | ACMA                             |

#### Product Notes

|                |   |
|----------------|---|
| Related Parts: | DCX system, FX UHD Patch Panels, ECX Patch Panels, FX Patch cords, FX MPO Trunks, FX Multi-fiber Trunks |
|----------------|---|

#### History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.13 Revision Date: 05-31-2024 |
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