



Product: <u>FM44MBD030M</u> ☑

FMT OM4 MPO8(M-M) B 96F 30M OFNP MD_2.0 0.5xINLINE EV

Product Description

FX MPO TRUNK, OM4, MPO-12 BASE 8(MALE TO MALE), TYPE-B, xxx M (LENGTH IN METERS)PO (96 FIBERS), 30 M, OFNP, MINI-DISTRIBUTION (2.0MM SUB-UNITS), FAN-OUT: $0.5M \times IN-LINE$, ERIKA VIOLET JACKET

Technical Specifications

Product Overview

| Suitable Applications: | Data Center, LAN, Equipment Room, Telecommunication room, workstation Area |
|------------------------|--|
| | |
| Fiber Specifications | |
| | |
| Fiber Type: | OMA |

| Fiber Type: | OM4 |
|----------------------|-----------|
| Fiber Core Diameter: | 50/125 μm |
| Fiber Count: | 96 |
| Fiber Color Coding: | TIA-598-D |

Physical Specifications

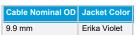
Connectors

| Description | Туре | Housing Material | Housing Color | Boot Material | Boot Color |
|---------------------------|----------------------|------------------|----------------------|----------------------|-------------------|
| Connector A (Inside End) | MPO-12 (Base 8) Male | Plastic | Erika Violet | Rubber | Black |
| Connector B (Outside End) | MPO-12 (Base 8) Male | Plastic | Erika Violet | Rubber | Black |

Fan-out (Legs)

| Description | Transition | Length (m) | Diameter | Geometry |
|---------------------------|------------|------------|----------|----------|
| Connector A (Inside End) | LPM | 0.5 m | 2.0 mm | In-Line |
| Connector B (Outside End) | LPM | 0.5 m | 2.0 mm | In-Line |

Assembly Cable



Measurement

| Overall Assembly Length | Packaging |
|-------------------------|--|
| 30 m (98.5 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

Fiber Connector Performance

| Description | Connector Type | Max. Insertion Loss | Min. Return Loss |
|---------------------------|----------------------|---------------------|------------------|
| Connector A (Inside End) | MPO-12 (Base 8) Male | 0.20 dB | 30 dB |
| Connector B (Outside End) | MPO-12 (Base 8) 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

History

| Update and Revision: | Revision Number: 0.14 Revision Date: 05-31-2024 |
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