



Product: [FMS4MB1010M](#)

FMT OS2 MPO8(M-M) B 8F 10M OFNP MD_4.8 0.5xINLINE YL

Product Description

FX MPO TRUNK, OS2, MPO-12 BASE 8(MALE TO MALE), TYPE-B, 1 MPO (8 FIBERS), 10 M, OFNP, MINI-DISTRIBUTION 4.8 MM (DOUBLE JACKET), FAN-OUT: 0.5M x IN-LINE, YELLOW JACKET

Technical Specifications

Product Overview

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

Fiber Specifications

| | |
|----------------------|------------|
| Fiber Type: | OS2 |
| Fiber Core Diameter: | 8.2/125 µm |
| Fiber Count: | 8 |
| 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 (Base 8) Male | Plastic | Green | Rubber | Black |
| Connector B (Outside End) | MPO-12 (Base 8) Male | Plastic | Green | Rubber | Black |

Fan-out (Legs)

| Description | Transition | Length (m) | Diameter | Geometry |
|---------------------------|------------|------------|----------|----------|
| Connector A (Inside End) | LPM | 0.5 m | 3.0 mm | In-Line |
| Connector B (Outside End) | LPM | 0.5 m | 3.0 mm | In-Line |

Assembly Cable

| Cable Nominal OD | Jacket Color |
|------------------|--------------|
| 4.8 mm | Yellow |

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 (Base 8) Male | 0.35 dB | 60 dB |
| Connector B (Outside End) | MPO-12 (Base 8) Male | 0.35 dB | 60 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

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

History

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| Update and Revision: | Revision Number: 0.12 Revision Date: 05-31-2024 |
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