



Product: [FM4MMB1010MPMDA](#)

FMT OM4 MPO12(M-M) B 12F 10M OFNP MD_4.8 0.5xINLINE AQ

Product Description

FX MPO TRUNK, OM4, MPO-12(MALE TO MALE), TYPE-B, 1 MPO (12 FIBERS), 10 M, OFNP, MINI-DISTRIBUTION 4.8 MM (DOUBLE JACKET), FAN-OUT: 0.5M x IN-LINE, AQUA 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: | 12 |
| 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 | Aqua | Rubber | Black |
| Connector B (Outside End) | MPO-12 Male | Plastic | Aqua | 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 | Aqua |

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: 0.15 Revision Date: 05-31-2024 |
|----------------------|-------------------------------------------------|

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.