# Product: FP4MFMF03M5

FXPC OM4 MPO12_F MPO12_F 3.5M OFNP RD_2.0 TYPE-B EV_JKT

## Product Description

FX PATCH CORD, OM4, MPO-12 (F) - MPO-12 (F), 3.5 M, OFNP, ROUND 2.0 MM, TYPE-B, 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: | 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 Female | Plastic | Erika Violet | Rubber | Black |
| Connector B (Outside End) | MPO-12 Female | Plastic | Erika Violet | Rubber | Black |

**Assembly Cable**

| Cable Nominal OD | Jacket Color |
|---|---|
| 2.0 mm | Erika Violet |

**Measurement**

| Overall Assembly Length | Packaging |
|---|---|
| 3.5 m (11.5 ft) | Individually packaged in a plastic bag |

**Overall Length Tolerances**

| Range | Tolerance |
|---|---|
| 0 to 2 meters | +0.2 / -0 meter |
| 2.1 to 5 meters | +0.3 / -0 meter |
| 5.1 to 20 meters | +0.4 / -0 meter |
| over 20 meters | +1.3 / -0 meter |

### 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 Female | 0.20 dB | 30 dB |
| Connector B (Outside End) | MPO-12 Female | 0.20 dB | 30 dB |

## Mechanical Characteristics

| | |
|---|---|
| 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: 0.38 Revision Date: 07-20-2023 |

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