


# Product: FC4U12LDMF1A

FX Ultra Cassette OM4 12P MPO-12(F)

## Product Description

FX ULTRA CASSETTE, OM4, 12 PORTS, MPO-12 (FEMALE), LC DUPLEX, TYPE-A ALTERNATE, AQUA ADAPTERS

## Technical Specifications

### Product Overview

| | |
|---|---|
| Environmental Space: | Indoor |
| Suitable Applications: | FiberExpress Ultra Solutions, Backbone, Telecommunications Room, Main Distribution Room, Data Centers |

### Construction

**Fiber Cable Construction**

| Fiber Type |
|---|
| OM4 |

| | |
|---|---|
| Weight: | 0.657 lbs |
| Overall Height: | 1.5 in |
| Overall Width: | 4.5 in |
| Overall Length: | 6.6 in |

### Physical Specifications

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|---|---|
| Max Capacity: | 24 Fibers, 12 LC Duplex Ports |

### Mechanical Characteristics

| | |
|---|---|
| Front Connection: | 1 Inch Pullout |

### Temperature Range

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|---|---|
| Operating Temperature Range: | -10°C to 60°C |
| Storage Temperature Range: | -10°C to 75°C |

### Product Material

**Materials**

| Description | Material | Color | Type |
|---|---|---|---|
| Rear Connector Body | Plastic - UL94V-0 | Aqua | MPO Female |
| Adapter Sleeve | Zirconia-Ceramic | | |
| Front Connector Body | Plastic - UL94V-0 | Aqua | LC Duplex |
| Cassette Assembly | Plastic - UL94V-0 | Black | |

### Transmission-Characteristics

**Fiber Connector Performance**

| Description | Connector Type | Max. Insertion Loss | Min. Return Loss |
|---|---|---|---|
| Patch Side | LC Duplex | 0.15 dB | -30 dB |
| Trunk Side | MPO12(F) | 0.2 dB | -30 dB |

## Standards

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|---|---|
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| MII Order #39 (China RoHS): | EUP 50 |

## Related Part Numbers

| | |
|---|---|
| Related Parts: | FX UHD & FXU Patch Panels, FX MPO Trunks |

**Variants**

| Item # | Color | Connector Type | Polarity Identification |
|---|---|---|---|
| FC4U12LDMF1A | Erika Violet | LC Duplex | Type-A Alternate |

## Product Notes

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|---|---|
| Packaging: | Individually packaged in a plastic shell, Shipped in cardboard box (14/box) |
| Notes: | Please refer to the label on the back of the cassette for appropriate front port number configuration |

## History

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|---|---|
| Update and Revision: | Revision Number: 0.8 Revision Date: 02-12-2025 |

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