



**Product:** [FCSH18LDMF](#)

FX UHD Cassette OS2 18 Ports



## Product Description

FX UHD CASSETTE, OS2, 18 PORTS, MPO-12 (FEMALE), LC DUPLEX, TYPE-A, BLUE ADAPTERS

## Technical Specifications

### Product Overview

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

### Construction

#### Fiber Cable Construction

| Fiber Type |           |
|------------|-----------|
| OS2        |           |
| Weight:    | 0.500 lbs |
| Height:    | 1.5 in    |
| Width:     | 4.5 in    |
| Length:    | 9.08 in   |

### Physical Specifications

|               |                               |
|---------------|-------------------------------|
| Max Capacity: | 36 Fibers, 18 LC Duplex Ports |
|---------------|-------------------------------|

### Mechanical Characteristics

|                   |        |
|-------------------|--------|
| Front Connection: | Static |
|-------------------|--------|

### Temperature Range

|                              |               |
|------------------------------|---------------|
| 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 | Blue  | MPO Female |
| Adapter Sleeve       | Zirconia-Ceramic  |       |            |
| Front Connector Body | Plastic - UL94V-0 | Blue  | LC-Duplex  |
| Cassette Assembly    | Plastic - UL94V-0 | Black |            |

### Transmission-Characteristics

|                          |        |
|--------------------------|--------|
| Polarity Identification: | Type-A |
|--------------------------|--------|

#### Fiber Connector Performance

| Description | Connector Type | Max. Insertion Loss | Min. Return Loss |
|-------------|----------------|---------------------|------------------|
| Patch Side  | LC Duplex      | 0.25 dB             | -55 dB           |
| Trunk Side  | MPO12(F)       | 0.35 dB             | -60 dB           |

## Standards

|                                   |        |
|-----------------------------------|--------|
| 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 Pigtails, FX Brilliance |
|----------------|---|

## Variants

| Item #     | Color | Connector Type | Polarity Identification |
|------------|-------|----------------|-------------------------|
| FCSH18LDMF | Blue  | LC Duplex      | Type-A                  |

## Product Notes

|            |   |
|------------|---|
| Packaging: | Individually packaged in a plastic shell. Shipped in cardboard box (14/box) |
|------------|---|

## History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.175 Revision Date: 02-03-2025 |
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