

# H-Series MPO Fanout Cassettes

The H-Series MPO Fanout Cassettes offer scalability in a shallow depth footprint that allows you to quickly build a high-density fiber optic infrastructure through plug-and-play installation. With front access to both MPO and LC ports, this H-Series cassette provides an installer-friendly solution for fast inbound and outbound cable installation and management.

## Features

### High-Density MPO to LC Fanout Cassettes

- Base-12 options available
- Up to 12 LC ports (24 fibers) per cassette
- Multi-mode and Single mode options available

### Shallow-Depth Deployment

- Can be installed in shallow-depth H-Series 7RU housing (<300mm)
- Easy access for up to 24 MPO to LC cassettes

### Front Loading Cassettes for Easy Moves, Adds, and Changes (MACs)

- Slim cassette with single row adapter design allows easy finger access for faster installation
- Cassettes can be clipped in place for fast patching

### Shuttered LC Adapters

- Provide automatic laser eye safety
- Easy fault detection
- Facilitate faster patching

### Low Loss

- Ensures maximum reliability and mechanical performance

### Polarity F

- Polarity managed in the cassette
- Same cassette orientation can be used at both ends of a link

## Applications

- Colocation
- Data Center
- Campus
- Service Provider
- Central Office
- Office Backbone



## Specifications

Fiber Types	SM, OM4
Fiber Counts Available	12 LC ports (24 fiber)
Polarity Mapping Available	Base 12: Polarity F (Polarity A, B, and C available on request)
Adapter Types	MPO (Male) to LC Shuttered Adapters
Cassette Material	Aluminum
Cassette Color	Black
Cassette Dimensions	Height: 17mm (0.7 inches) Width: 217mm (8.5 inches) Depth: 173mm (6.9 inches)
Package Dimensions	Height: 40mm (1.5 inches) Width: 245mm (9.6 inches) Depth: 395mm (15.6 inches)
Weight	Product weight: 0.4kg Packaged weight: 0.8kg
Materials Compliant	RoHS, Reach/SVHC, UL 94V-0
Regional Availability	Global

## Optical Performance

Connector Mating	Insertion Loss Average	Insertion Loss Max	Return Loss
MPO Premium Low Loss (MM)	0.10 dB	0.35 dB	N/A
LC Premium Low Loss (MM)	0.08 dB	0.15 dB	N/A
MPO Premium Low Loss (SM)	0.10 dB	0.35 dB	≤-60 dB
LC Premium Low Loss (SM)	0.12 dB	0.15 dB	≤-55 dB

## Fiber Performance

Fiber Type (ISO/IEC 11801)	SM (OS1/OS2)	OM4
Attenuation Coefficient	≤0.38 Max (1300nm) ≤0.25 Max (1550nm) ≤0.34 Typ (1300nm) ≤0.19 Typ (1550nm)	<3.5 Max (850nm) <1.5 Max (1300nm) <2.7 Typ (850nm) <0.9 Typ (1300nm)
Minimum bandwidth: Overfilled launch (Mhz-km)	N/A	≥3500 (850nm) ≥500 (1300nm)
Minimum bandwidth: Laser Effective Modal Bandwidth (Mhz-km)	N/A	≥4700 (850nm)

## Ordering Information

Description	Part Number
AFL H-Series Fanout Cassette, 24 Fiber, OM4, MPO (Male) Base-12 to LC (Aqua), Polarity F	A4HG24BPVA-01DE
AFL H-Series Fanout Cassette, 24 Fiber, SM, MPO (Male) Base-12 to LC (Blue), Polarity F	A7HG24BPVA-01DE