

## U-Series MPO Cassette BASE-12



## Description

With its compact footprint, the U-Series MPO Cassette BASE-12 provides scalability for high-density fiber optic infrastructure with up to 288 fibers inside a 2RU space. U-Series MPO Cassettes enable fast, plug-and-play installation. With a range of rear-loading MPO connector options, fiber types, and front-facing single form factor connections available, U-Series MPO cassettes can be quickly loaded into U-Series housings and quickly disconnected or reconfigured for Moves, Adds, and Changes.

## Features and Benefits

- 12 (LC, SC) or 24 (LC) connections
- Premium LC/SC interface
- 12-fiber ferrule MPO connector
- Polarity A, B, or C
- Compatible with 2RU, 1RU, and 0RU U-Series housings
- Premium MPO termination
- SM and MM (OM4) versions
- Universal Polarity B variant

## Applications

- Data center infrastructure
- Storage Area Networks (SANs)

- Fiber channel

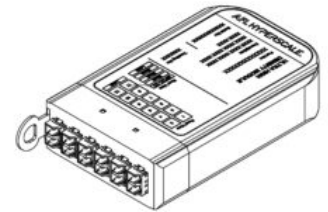
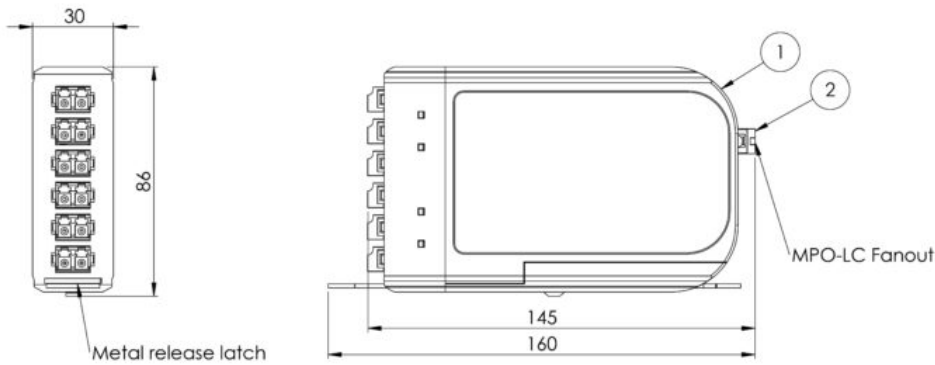
## Specifications

Element	Characteristic
Fiber types	SM 9/125 G.657A1, MM 50/125 OM4
Fiber counts	12f (LC, SC), 24f (LC), 24f (MPO)
Polarity mapping	Polarity A, B, C
Adapters	Rear: 1 x MPO (12-fiber cassette), 2 x MPO (24-fiber cassette); Body Color: Black (Polarity A/C) Keyway up - Keyway down, Gray (Polarity B) Keyway up - Keyway up; Front: 6 x LC (quad) 24-fiber cassette, 6 x LC (DX) 12-fiber cassette, 6 x SC (DX) 12-fiber cassette; Body Color: Aqua (MM- OM4), Erika Violet (MM- OM4), Blue (SM/UPC), Green (SM/APC)
Internal assembly connectors	MPO MM: Premium (12-fiber ferrule), MPO SM: Premium (12-fiber ferrule) LC, SC MM/SM: Premium
Cassette material	ABS CR4 Steel
Cassette color	Black
Operating temperature	-20 ~ +60°C
Storage temperature	-20 ~ +60°C
Cassette dimensions	30mm (W) x 160mm (D) x 84.50 mm (H)
Package dimensions	45mm (W) x 280mm (D) x 140 mm (H)
Cassette weight	0.21 kg
Cassette weight (packaged)	0.30 kg
Materials compliant to	RoHS, Reach / SVHC

## Termination Performance

Connector Mating	Insertion Loss* Average	Insertion Loss* Max	Return Loss**
MPO Premium Low Loss (MM)	0.10 dB	0.35 dB	NA
LC, SC Premium Low Loss (MM)	0.08 dB	0.15 dB	NA
MPO Premium Low Loss (SM)	0.10 dB	0.35 dB	>60 dB
LC, SC Premium Low Loss (SM)	0.12 dB	0.15 dB	≥55/65 dB

## Technical Drawing



Isometric View

ITEM NO.	DESCRIPTION	QTY.
1	12F MPO-LC UHD Short Cassette Assembly - Unloaded	1
2	MPO-LC Fanout	1

## Ordering Information

Code	Fiber Type	Code	Fiber Count	Code	End B	Polarity
A	4 OM4	UD	12 12 F	BPV	A LC	-05DA Polarity A/C
	7 G.657A1		24 24 F		B LCA	-05DB Polarity B Type 1
					D SC	-05DC Polarity B Type 2
					E SCA	-05DD Polarity B Universal

## Legacy ordering information

UHD	MPO CONNECTOR	FIBER COUNT	DISCRETE CONNECTOR	FIBER TYPE	POLARITY
UHD	MPM MPO Premium Male (12-fiber ferrule)	12 12 core	LC LC	SM OS1/2 G.657A1	Leave blank A/C
		24 24 core	LCA LC/APC	MM MM 50/125 OM3/OM4	B1 Polarity B (Type 1)
			SC SC*		B2 Polarity B (Type 2)
			SCA SC/APC*		B Polarity B (Universal)

\*Available in 12-fiber cassettes only

MTP® US Conec MPO connectors available on request - add suffix "-US" to the end of PN

## Example Part Number

Part Number	Description
UHDMPM12LCSM	UHD MPO Prem (M)- LC 12F SM 9/125 G.657A1 Pol A/C

## Additional Information

- TIA/EIA-568-C.3 and ISO/IEC 11801
- IEC 61754-7 & EIA/TIA-604-5
- IEC 60793

## Regional Availability

### USA

+1-866-814-8615  
 usasales@afllhyperscale.com

### EMEA

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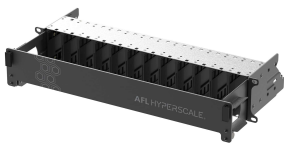
### INDIA

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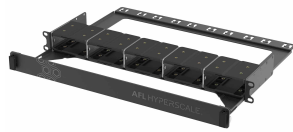
### APAC

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 +86 755 2561 3694  
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## Related Products



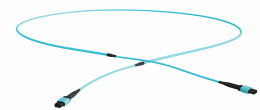
U-Series 2RU Housing



U-Series 1RU Housing



MPO MicroCable Patch Assembly (Single Jacket 3mm OD)



MPO MicroCable Trunk Assembly



Premium LC Duplex Polarity Reversible Uniboot Patch Cord



One-Click® Cleaner MPO



One-Click® Cleaner D-LC, Duplex LC



FOCIS Lightning MPO/MTP® Fiber Scope



FOCIS Flex Fiber Scope