

# QuickNet™ MPO Fiber Optic Cassettes

## technical information

QuickNet™ MPO Fiber Optic Cassettes consist of pre-terminated LC adapters for quick and easy deployment in high density applications and provide efficient utilization of rack space and design flexibility. QuickNet™ MPO Fiber Optic Cassettes are available with a singlemode insertion loss of 0.75dB max and multimode insertion loss of 0.5dB max. The cassettes offer 12-fiber MPO adapter(s) on the rear of the units routed to duplex LC adapters on the front patch field. The cassette houses a maximum of 24-fibers, which equals 96-fibers per RU in a 1RU patch panel. Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme. QuickNet™ MPO Fiber Optic Cassettes interconnect with high-density fiber cable assemblies for quick connection of remote or data center applications.



## application

Application areas include key elements as specified in Data Center Cabling Standard TIA 942 cross connects in main, horizontal, and equipment distribution areas.

## construction

<b>Fiber count:</b>	12 and 24
<b>Fiber types:</b>	Multimode: OM3/OM4 50/125µm Singlemode: OS1/OS2 9/125µm
<b>Front connectivity:</b>	LC
<b>Split sleeve material:</b>	Zirconia ceramic:
<b>Rear MPO connectivity:</b>	Multimode: MPO adapter(s) with male ferrules (pins) and PC Polish  Singlemode: MPO adapters with male ferrules (pins) and APC Polish

## environmental properties

<b>Operating temperature:</b>	0°C to +70°C (32°F to 158°F)
<b>Storage and shipping temperature:</b>	-40°C to +75°C (-40°F to 167°F)

## performance properties

<b>Insertion loss (Link loss):</b>	Multimode 0.5dB max. Singlemode 0.75dB max.
<b>Return loss:</b>	Per channel: >26dB (OM3/OM4) >26dB (OS1/OS2)
<b>Connector durability:</b>	MPO connector meets TIA/EIA-568.C.3; A.4.9 Durability: 500 mating cycles (multimode and singlemode)

## standards

Connectivity meets or exceeds TIA/EIA-568-C.3 performance requirements. Supports IEEE 802.3ae (10 Gigabit Ethernet) and ANSI T11.2 (Fibre Channel) channel and link specifications. Compliant with ROHS 2002/95/EC.

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## part number configurator

Example: FCWZO-24-10AS = Fiber, MPO cassette, OM3/OM4, optimized, 24-fiber with duplex LC adapter and standard Method A polarity.

CHARACTER	1	2	3	4	5	6	7	8	9	10	11	12	13
EXAMPLE	F	C	W	Z	O	-	2	4	-	1	0	A	S

### 1 – Fiber Product

F = Fiber

### 2 – Product

C = Cassette

### 3 – Generation

W = Quicknet MPO

### 4 – Fiber Type

9 = OS1/OS2 9/125μm

Z = OM3/OM4 50/125μm

### 5 – Fiber Performance

N = Singlemode, standard IL

O = Multimode, optimized IL

### 6 – Dash

### 7 – Numbers of Fibers

12 = 12-fiber total

24 = 24-fiber total

### 9 – Dash

### 10 and 11 – Adapter Type

10 = Duplex LC Adapter

### 12 and 13 – Polarity

AS = Method A, standard

AF = Modified Method A, pair flipped

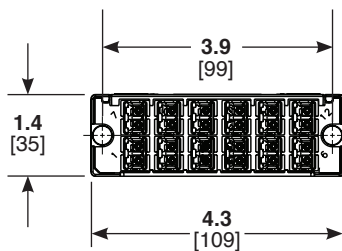
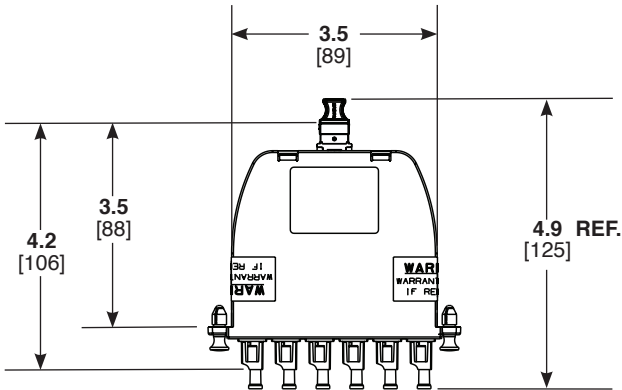
B1 = Method B, B1 (1-1 array)

B2 = Method B, B2 (1-2 array)

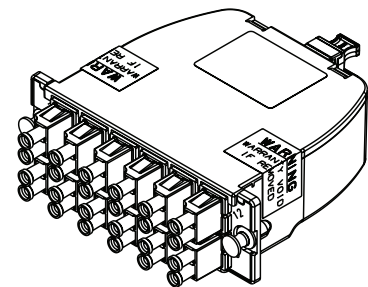
U = Universal

Note: AS and AF used as a pair in a two cassette method A link.  
B1 and B2 used as a pair in a two cassette method B link.

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**Front View**  
(shown without dustcaps)



Dimensions are in inches [Dimensions in brackets are metric]

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