

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

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

environmental properties

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

performance properties

Insertion loss (Link loss):	Multimode 0.5dB max. Singlemode 0.75dB max.
Return loss:	Per channel: >26dB (OM3/OM4) >26dB (OS1/OS2)
Connector durability:	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

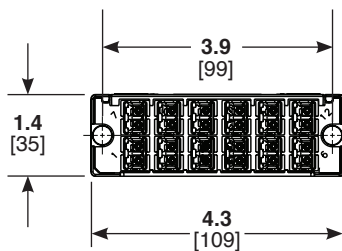
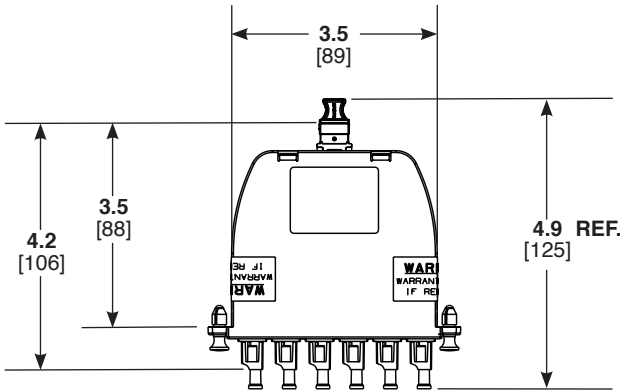
B1 = Method B, B1 (1-1 array)

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

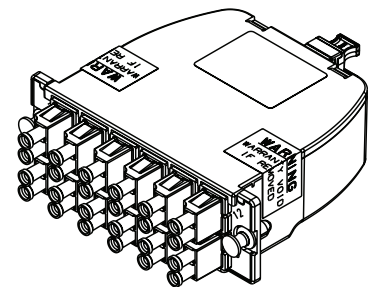
U = Universal

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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