QuickNet™ MTP* Fiber Optic Cassettes

technical information

QuickNet™ MTP* Fiber Optic Cassettes consist of pre-terminated LC or SC adapters for quick and easy deployment in high density applications and provide efficient utilization of rack space and design flexibility. These cassettes comply with all multimode and singlemode channel requirements. QuickNet™ MTP* Fiber Optic Cassettes are available with a standard channel insertion loss of 0.75dB max and an optimized loss of 0.5dB max. The cassettes offer 12-fiber MTP* adapter(s) on the rear of the units routed to duplex LC, duplex SC, or simplex SC adapters on the front patch field. Equipped with LC duplex adapters, the cassette houses a maximum density of 24 fibers for a total of four cassettes or 96 fibers when incorporated into a 1 RU patch panel. Adapter housing colors follow TIA/EIA-568-C.3 suggested color identification scheme. QuickNet™ MTP* 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:	6, 12, and 24
Fiber types:	Multimode: OM1 62.5/125µm OM3 50/125µm OM4 50/125µm
	Singlemode: OS1/OS2 9/125µm
Front connectivity:	LC Duplex, SC Duplex or SC Simplex adapters
	Multimode with PC Polish
	Singlemode with UPC Polish
Split sleeve material (SC or LC adapters):	Zirconia ceramic: OM4, OM3, and Singlemode cassettes
	Phosphor bronze: OM1 cassettes
Rear MTP* connectivity:	Multimode: MTP* adapter(s) with male ferrules (pins) and PC Polish
	Singlemode: MTP* adapters with male ferrules (pins) and APC Polish

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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):	Ultra Low Loss (per channel): 0.35dB max.
	Optimized Loss (per channel): 0.5dB max.
	Standard Loss (per channel): 0.75dB max.
Return loss:	Per channel: >20dB (OM1) >26dB (OM3/OM4) >26dB (OS1/OS2)

standards

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

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part number configurator

Example: FC2ZO-24-10AS = Fiber, cassette, second generation, OM4 10 GbE, 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	2	Z	O	–	2	4	–	1	0	A	S

1 – Fiber Product
F = Fiber

2 – Product
C = Cassette

3 – Generation
2 = Second generation

4 – Fiber Type
9 = OS2 9/125µm
6 = OM1 62.5/125µm
X = OM3 10Gig 50/125µm
Z = OM4 10Gig 50/125µm

5 – Fiber Performance
N = Standard
O = Optimized

6 – Dash

7 – Numbers of Fibers
06 = 06-fiber total
12 = 12-fiber total
24 = 24-fiber total

9 – Dash

10 and 11 – Adapter Type
03 = Duplex SC Adapter
　　(6 or 12-fiber only)
10 = Duplex LC Adapter
　　(12 or 24-fiber only)
3S = Simplex SC Adapter
　　(6 or 12-fiber only)
LA = Duplex LC/APC Adapter
　　(12 or 24-fiber singlemode only)

12 and 13 – Polarity
AS = Method A, standard
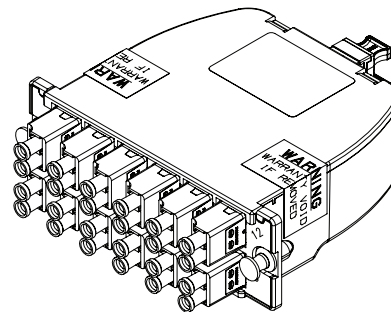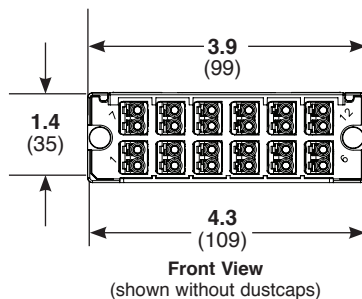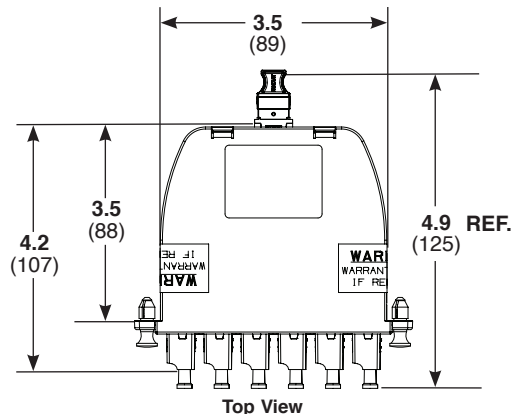AF = Modified Method A, pair flipped
B1 = Method B, B1 (1-1 array)
B2 = Method B, B2 (1-2 array)
U = Universal

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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Top View

Front View
(shown without dustcaps)

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Dimensions are in inches. (Dimensions in parenthesis are metric).

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