

QuickNet™ SFQ Series MPO Fiber Optic Cassettes

technical information

QuickNet™ SFQ Series MPO Fiber Optic Cassettes comply with all multimode and singlemode channel performance requirements. Fiber optic cassettes support network data rates of 100 Gb/s and beyond! Optimized cassettes provide insertion loss of 0.5dB max., and standard cassettes provide 0.75dB max. to meet IEEE 802.3ae max. channel loss specification. QuickNet™ SFQ Series MPO Fiber Optic Cassettes employ high performance MPO connectors on the rear of the units routed to 6 or 4 duplex LC colors shall follow TIA/EIA-568-C.3 suggested color identification scheme. They interconnect with high-density SFF MPO interconnect cable assemblies. High-density cassette patch panels hold up to 8 cassettes, allowing up to 96 fiber connections to be deployed in one rack unit (1 RU).



application

Allows system designers to tailor configuration, reach and breakout construction to application requirements; to minimize waste, optimize cable management, speed deployment, and improve flexibility and manageability for lower installation costs.

construction

Fiber types:	Singlemode:	OS2 9/125µm
	Multimode:	OM1 62.5/125µm
		OM3 10Gig 50/125µm
		OM4 10Gig 50/125µm
		OM4+ 10Gig 50/125µm
OM5 10Gig 50/125µm		
Front connectivity:	SC Duplex or LC Duplex adapters	
	Multimode with PC Polish	
	Singlemode with UPC Polish	
Rear connectivity:	Multimode:	MPO adapter(s) with male ferrules (pins) and PC Polish
	Singlemode:	MPO adapters with male ferrules (pins) and APC Polish

performance properties

Insertion loss (link loss):	Ultra (per fiber):	0.35dB max.
	Optimized (per fiber):	0.5dB max.
	Standard (per fiber):	0.75dB max.
Return loss:	Per fiber:	>20dB (OM1)
		>26dB (OM3/OM4 OM4+/OM5)
		>55dB (OS1/OS2)
Connector durability:	Connectors meet	TIA/EIA-568C.3 A.4.9
	Durability:	500 mating cycles
Fiber count:	6, 8, and 12	
Split sleeve material:	Zirconia Ceramic	

environmental properties

Operating temperature:	0°C to +70°C (32°F to 158°F)
Storage and shipping temperature:	-40°C to +70°C (-40°F to 158°F)
Installation temperature	0°C to +60°C (32°F to 140°F)

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: FQXO-12-10AS = Fiber, QuickNet™, OM3 10 GbE, optimized cassette, 12-fiber with duplex LC adapter and standard Method A polarity.

Character	1	2	3	4	5	6	7	8	9	10	11	12
Example	F	Q	X	O	-	1	2	-	1	0	A	S

1 – Fiber Product

F = Fiber

2 – Product Type

Q = QuickNet™

3 – Fiber Type

6 = OM1 Fiber (62.5/125µm); Available with standard loss only

9 = OS2 Fiber; Available with standard loss only

X = OM3 Fiber (50/125µm)

Z = OM4 Fiber (50/125µm)

S = Signature Core OM4+ Fiber; Available with ultra low loss only and in 12-fiber LC connectivity*

W = OM5 Fiber (50/125µm)

4 – Fiber Type

N = Standard Loss (0.75dB Link Loss)

O = Optimized Cassette (0.5dB Link Loss)

A = Ultra Low Loss (0.35dB Link Loss); available with Signature Core™ OM4+ and OM5 Fiber and in 12-fiber LC Connectivity

5 – Dash

6, 7 – Fiber Count

06 = 6-fiber total

08 = 8-fiber total

12 = 12-fiber total

8 – Dash

9, 10 – Adapter Type

03 = Duplex SC Adapter (6-fiber only)

10 = Duplex LC Adapter (8 or 12-fiber only)

LA = Duplex LC/APC Adapter (12-fiber singlemode only)

11, 12 – Polarity

AS = Method A, standard

AF = Modified Method A, pair-flipped

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

B2 = Method B, B2 (1-12 array)

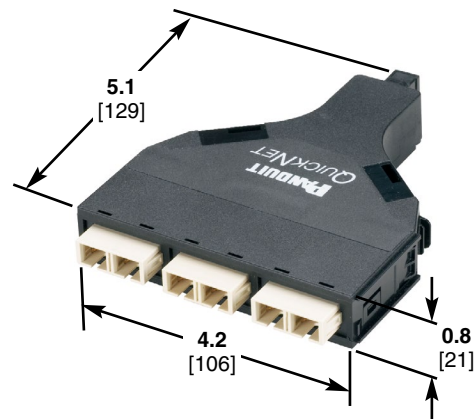
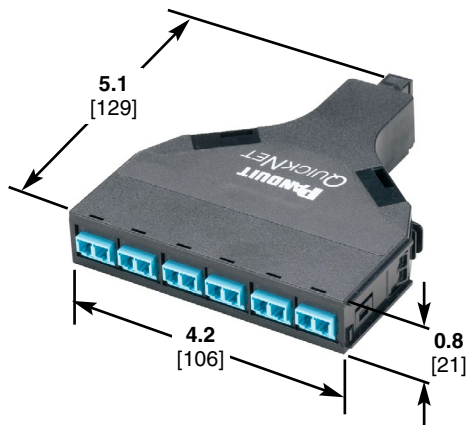
U = Universal

*Only available in Ultra and 12F

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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Notes:

- Reference TIA-568-C.0 for details on Method A and Method B Polarities.
- Method B Cassettes are available upon request. Please contact Panduit for details.

Dimensions are in inches. [Dimensions in brackets are metric].

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or by phone: 800.777.3300

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