

# QuickNet™ SFQ Series MPO Fiber Optic Cassettes

## technical information

QuickNet™ SFQ Series MPO Fiber Optic Cassettes comply with IEEE 802.3ae and ANSI T11.2 Fibre Channel requirements. Fiber optic cassettes support network data rates of 10 Gb/s for link lengths up to 300 meters using laser optimized OM3 fiber and link lengths up to 550 meters using OM4 fiber. Optimized cassettes provide insertion loss of 0.5dB max., and standard cassettes provide 0.75dB max. QuickNet™ SFQ Series MPO Fiber Optic Cassettes employ high performance MPO connectors on the rear of the units routed to 6 duplex LC adapters. Colors shall follow TIA/EIA-568-C.3 suggested color identification scheme. They interconnect with high-density QuickNet™ MPO interconnect cable assemblies. High-density cassette patch panels shall 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

<b>Fiber types:</b>	Singlemode:	OS2 9/125 $\mu$ m
	Multimode:	OM3 50/125 $\mu$ m OM4 50/125 $\mu$ m
<b>Front connectivity:</b>	LC Duplex adapters Multimode with PC Polish Singlemode with UPC Polish	
<b>Rear connectivity:</b>	Multimode:	MPO adapter(s) with male ferrules (pins) and PC Polish
	Singlemode:	MPO adapters with male ferrules (pins) and APC Polish

## performance properties

<b>Insertion loss (link loss):</b>	Optimized (per fiber): 0.5dB max. Standard (per fiber): 0.75dB max.
<b>Return loss:</b>	Per fiber: >20dB (OM1/OM2) >26dB (OM3/OM4) >55dB (OS1/OS2)
<b>Connector durability:</b>	Connectors meet TIA/EIA-568C.3 A.4.9 Durability: 500 mating cycles
<b>Fiber count:</b>	12
<b>Split sleeve material:</b>	Zirconia ceramic

## 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 +70°C (-40°F to 158°F)
<b>Installation temperature</b>	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: FQWZO-12-10AS = Fiber, QuickNet™, MPO, OM3/OM4 multimode, 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	13
Example	F	Q	W	Z	O	-	1	2	-	1	0	A	S

### 1 – Fiber Product

F = Fiber

### 2 – Product Type

Q = QuickNet™

### 3 – Cassette Type

W = MPO

### 4 – Fiber Type

9 = OS2 Fiber; Available with standard loss only

Z = OM3/OM4 Fiber (50/125μm)

### 5 – Fiber Type

N = Singlemode, Standard Loss (0.75dB Link Loss)

O = Multimode, Optimized Cassette (0.5dB Link Loss)

### 6 – Dash

### 7, 8 – Fiber Count

12 = 12-fiber total

### 9 – Dash

### 10, 11 – Adapter Type

10 = Duplex LC Adapter

### 12, 13 – Polarity

AS = Method A, standard

AF = Modified Method A, pair-flipped

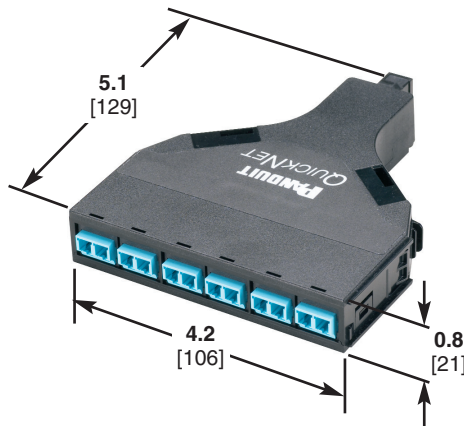
B1 = Method B, B1 (1-1 array)

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

U = Universal

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:

1. Reference TIA-568-C.0 for details on Method A and Method B Polarities.
2. 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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Printed in the U.S.A.  
FBSP145--WW-CHI  
3/2020