

# SFQ Series 4-to-1 Breakout Fiber Optic Cassettes

## technical information

The QuickNet 4-to-1 Breakout Cassette facilitates the breakout of an MPO-8 to 4 duplex LC connectors. This enables a single parallel-optics switch port (40GBASE-SR4, 100GBASE-SR4, 400GBASE-SR4) to support four duplex LC-based switches or servers. Quicknet Breakout cassettes may also connect to a SAN switch to storage arrays at 8/16/32G speeds. All cassettes are factory terminated and tested to deliver verified optical performance and reliability for quick deployment and improved network integrity.



## applications

Application areas include key elements as specified in Data Center Cabling Standard TIA 942 cross connects in main, horizontal, and equipment distribution areas. Supports 40G to 4x10G, 100G to 4x25G, 400G to 4x100G or 128G to 4x32G.

## construction

<b>Fiber count:</b>	8
<b>Fiber types:</b>	Singlemode: OS2 9/125µm Multimode: OM4 50/125µm OM4+ 50/125µm OM5 50/125µm
<b>Front connectivity:</b>	LC Duplex, Multimode with PC polish Singlemode with UPC polish
<b>Split sleeve material (SC or LC adapters):</b>	Zirconia ceramic: All cassettes
<b>Rear MTP* connectivity:</b>	Multimode: MTP* adapter(s) with male ferrules (pins) and PC polish
<b>Split sleeve material (SC or LC adapters):</b>	Singlemode: MTP* adapter(s) with male ferrules (pins) and APC polish

## standards

Connectivity meets or exceeds TIA/EIA-568-C.3 performance requirements. Supports IEEE 802.3ba (40/100 Gigabit Ethernet).

\*MTP is a registered trademark of US Conec Ltd.

## 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>	Ultra Low Loss - MM (per channel): 0.35dB max. Optimized Loss - MM (per channel): 0.5dB max. Standard Loss - SM (per channel): 0.75dB max.
<b>Return loss:</b>	Per channel: Multimode >26dB >55dB Singlemode
<b>Connector durability:</b>	Connectors meeting ANSI/TIA-586C.3 Durability: 500 mating cycles

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## part configurator customized table

Example: FQ3ZO-08-10U2-10GQuickNet SFQ cassette with OM4 fiber, Optimized Low Loss, 8-fibers total, front LC duplex aqua adapter, rear male MTP (pins); Universal (pair flipped)

Character	1	2	3	4	5	6	7	8	9	10	11	12	13
Example	F	Q	3	Z	O	-	0	8	-	1	0	U	2

### 1 – Fiber

F = Fiber

### 2 – Product

Q = QuickNet SFQ Series  
Fiber Optic Cassette

### 3 – Generation

3 = 4-to-1 Breakout

### 4 – Fiber Type

9 = OS2 9/125 um  
Z = OM4 50/125 um  
S = OM4+ 50/125um  
W = OM5 50/125 UM

### 5 – Fiber Performance

N = Standard - SM  
O = Optimized - MM  
U = Ultra - MM

### 6 – Dash

### 7, 8 – Numbers of Fibers

08 = 8 fibers total

### 9 – Dash

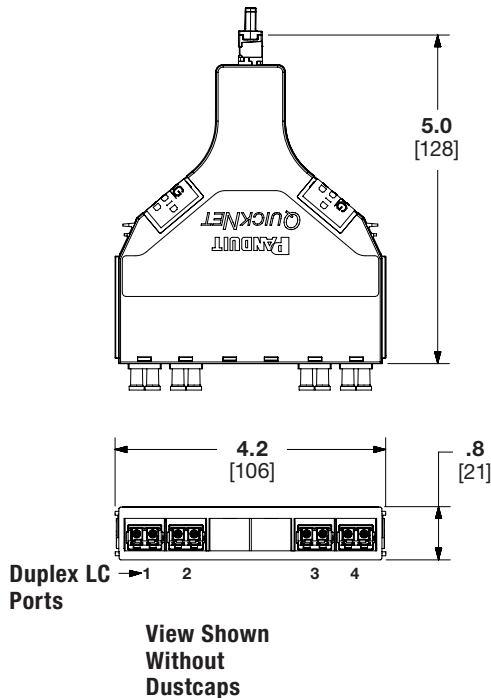
### 10, 11 – Adapter Type

10 = Duplex LC Adapter

### 12, 13 – Polarity

U - Universal  
U2 - Universal (pair flipped)

## QuickNet™ MTP\* Fiber Optic Cassettes



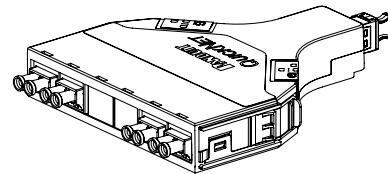
## SFQ

4 to 1 Breakout Cassette Fiber pin-out Method U (to be used in Breakout Applications)										
LC Port Number	1		2		Blank	Blank	3		4	
	A	B	A	B			A	B	A	B
MPO* Fiber Position	12	1	11	2	X	X	10	3	9	4

\* Key Up/Key Down Adapter (Black Color) - Requires Method B MPO Connectivity

Method U2 (to be used in multi cassette link)										
LC Port Number	1		2		Blank	Blank	3		4	
	A	B	A	B			A	B	A	B
MPO* Fiber Position	1	12	2	11	X	X	3	10	4	9

\* Key Up/Key Down Adapter (Black Color) - Requires Method B MPO Connectivity



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

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