

# Opticom™ QuickNet™ Dark Fiber Conversion Cassettes

## technical information

Opticom™ QuickNet™ Dark Fiber Conversion Cassettes are used to convert fiber cabling systems based upon multiples of 12 fibers to an 8 fiber system used by applications requiring parallel optics (e.g. 40GBASE-SR4, 100GBASE-SR4, etc). The cassettes utilizes 12 fiber MTP\* connectivity in the rear of the cassette for mating to 12 fiber trunks and provide a breakout to 8 fiber MTP\* ports in the front. The wiring in the 2 x 3 conversion cassette combines the 4 unused fibers from the two 12 fiber trunks (on the back of the cassette) into a third 8 fiber port (on the front of the cassette). Opticom™ QuickNet™ Dark Fiber Conversion Cassettes are also offered in 4 x 6 cassettes in which four 12 fiber trunks are converted into six 8 fiber ports. Cassettes are configured for polarity as a TIA-568 Type-A or Type-B.



## applications

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:** 24 and 48

**Fiber types:** Multimode: OM4 50/125µm

**Front connectivity:** MTP\* adapter(s) with male ferrules (pins) and PC Polish

**Rear MTP\* connectivity:** MTP\* adapter(s) with male ferrules (pins) and PC Polish

## environmental properties

**Operating temperature:** Room Temperature 23°C (73°F)

**Storage and shipping temperature:** -40°C to +75°C (-40°F to 167°F)

## performance properties

**Insertion loss (Component loss):** Optimized Loss (per channel): 0.35 dB max.

**Return loss:** Per Channel: > 30 dB (MM)

**Connector durability:** MTP\* connector meets TIA/EIA 568.C.3; A.4.9 Durability: 500 mating cycles

## standards

Connectivity meets or exceeds TIA/EIA-568-C.3 performance requirements. Supports IEEE 802.3 (40/100 Gigabit Ethernet) and ANSI T11.2 (Fibre Channel) channel and link specifications. Compliant with ROHS 2002/95/EC.

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

# Opticom™ QuickNet™ Dark Fiber Conversion Cassettes

## part number configurator

Example: FC4ZU-24-NMNMA = Fiber, cassette, dark fiber, OM4, Ultra IL, 24 fiber with Method A polarity

Character	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	F	C	4	Z	U	-	2	4	-	N	M	N	M	A	

### 1 – Fiber Product

F = Fiber

### 2 – Product

C = Cassette

### 3 – Generation

4 = Dark Fiber Conversion

### 4 – Fiber Type

Z = OM4 50/125 μm

### 5 – Fiber Performance

U = Ultra IL

### 6 – Dash

### 7 – Numbers of Fibers

24 = 24-fiber total

48 = 48-fiber total

### 9 – Dash

### 10 and 12 – Options

N = None

### 11 and 13 – Polarity

M = MTP connector

### 14 and 15 – Polarity

A = Method A, standard

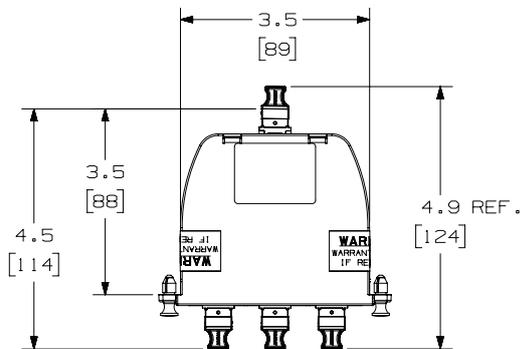
B1 = Method B, B1 (1-1 array)

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

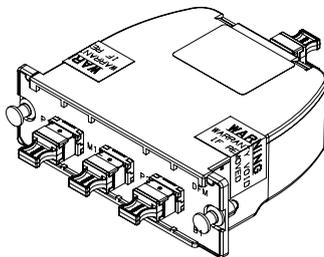
Note: A cassettes used as pairs in a two Cassette Method A link.  
B1 and B2 used as a pair in a two Cassette Method B link.

## Opticom™ QuickNet™ Dark Fiber Conversion Cassettes

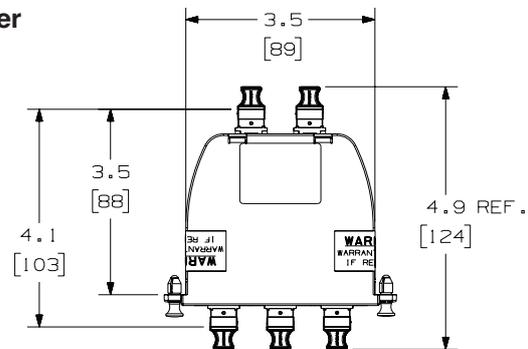
### 24 Fiber



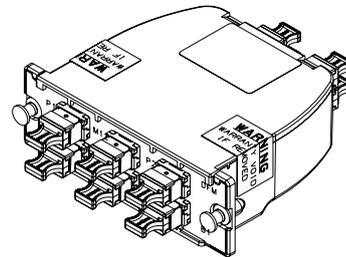
FRONT VIEW



### 48 Fiber



FRONT VIEW



### WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA  
Phone: 800.777.3300

PANDUIT EUROPE LTD.  
London, UK  
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.  
Republic of Singapore  
Phone: 65.6305.7575

PANDUIT JAPAN  
Tokyo, Japan  
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA  
Guadalajara, Mexico  
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.  
Victoria, Australia  
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to [www.panduit.com/warranty](http://www.panduit.com/warranty)

For more information

Visit us at [www.panduit.com](http://www.panduit.com)

Contact Customer Service by email: [cs@panduit.com](mailto:cs@panduit.com)  
or by phone: 800.777.3300

**PANDUIT**®

©2017 Panduit Corp.  
ALL RIGHTS RESERVED.  
FBSP104--WW-ENG  
1/2017