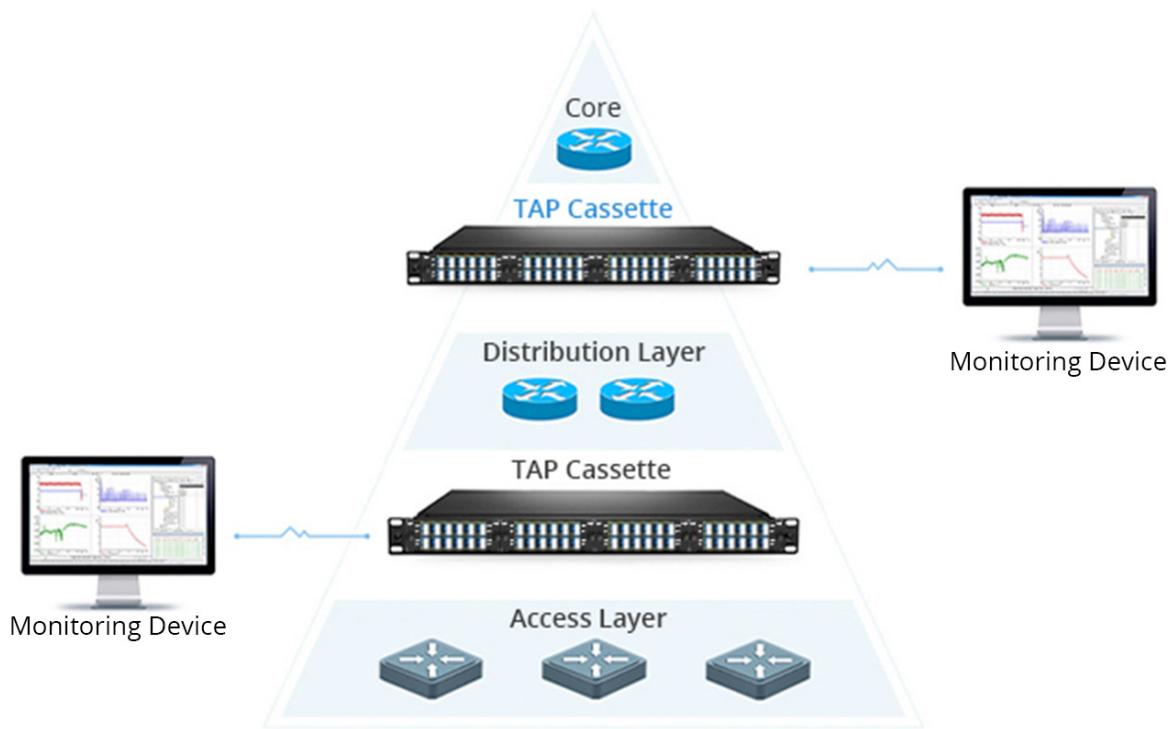


FHD MTP® to LC TAP Cassette Datasheet

Passive Network Monitoring Modular Cassette System



FHDMTP®toLCTAPCassette

FHD fiber optic tapped cassettes are a highly effective and efficient means for mission-critical data centers and networks to obtain real-time network visibility. TAP cassettes provide passive optical tapping of live networks while maintaining full integrity of the data with no link downtime. FHD MTP® to LC TAP cassettes are available in single mode and multimode with split ratio of 50/50 and 70/30.



Features

- Passive in-line monitoring, no power is required.
- 100% secure and invisible, no IP address, no Mac address, cannot be hacked.
- Provides a window into your data for security or surveillance.
- Delivers low insertion loss to minimize impact on data flows.
- Ultra light, ultra-thin design provides great space savings in the network.
- Plug and play modules allow fast installation of multiple fiber links.
- Compatible with all FHD series enclosures.

Application

FHD TAP Cassettes are positioned in the network link between two network devices. The need for real-time network visibility of data traffic becomes vital for effective performance monitoring, robust security and functional business success.

Product Specification

I. Product Constructions

Fiber Count	24 Fibers, 36 Fibers
Fiber Mode	Single mode: OS2 9/125μm Multimode: OM4 50/125μm
Front Connector	LC UPC Duplex
Rear Connector	MTP®-8 Male MTP®-12 Male
Material of Plate	Aluminium (AL5052)
Material of Sleeve	Zirconia Ceramic
Fiber Length	1.00±0.10m
Dimensions (HxWxD)	1.38"x4.29"x4.64" (35x109x118mm)

II. Performance Properties

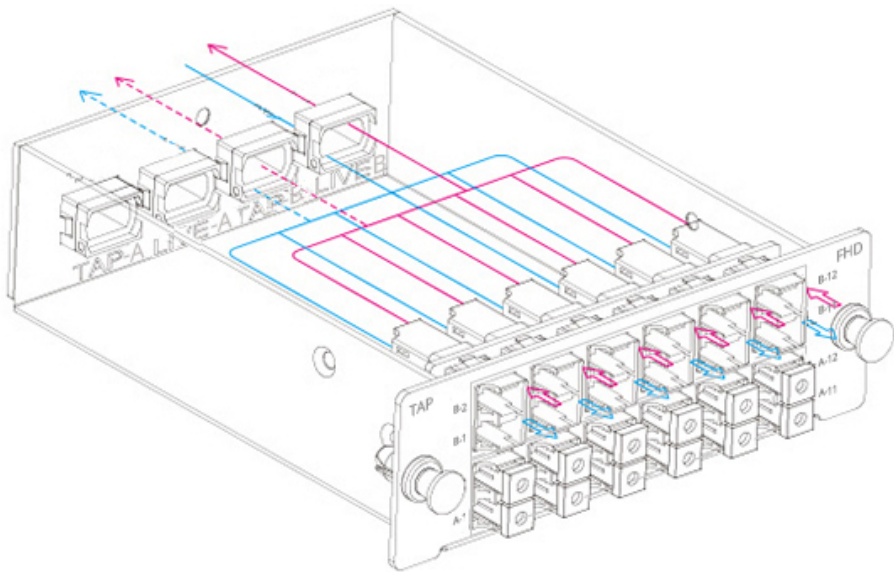
Split Ratio	50/50, 70/30
Glass Fiber	Single mode: G.657.A1 Multimode: Bend Insensitive
Insertion Loss (Live/Tap)	MTP®≤0.35dB, LC≤0.2dB
Return Loss (Live/Tap)	Single mode: MTP®≥60dB, LC≥50dB Multimode: MTP®≥20dB, LC≥30dB
Operating Temperature	-10°C to 60°C
Storage Temperature	-10°C to 60°C
Installation Temperature	0°C to 60°C

Standards Compliance

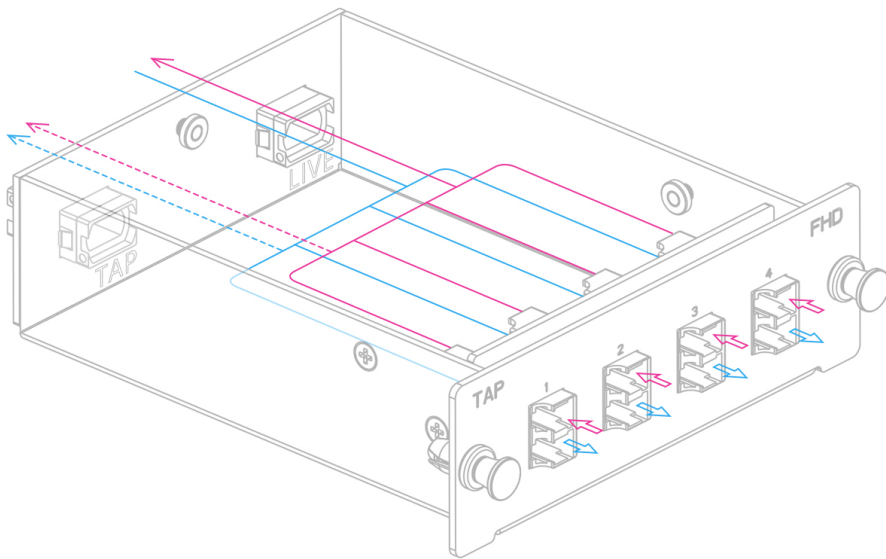
- ISO9001 Certificate
- RoHS Compliant

Inner Fiber Sequence

Each cassette includes high performance couplers that split the stream according to the required split ratio between the network and the monitoring port. They ensure a complete copy of your network's traffic reaches your security and monitoring tools with zero risk of packet loss.

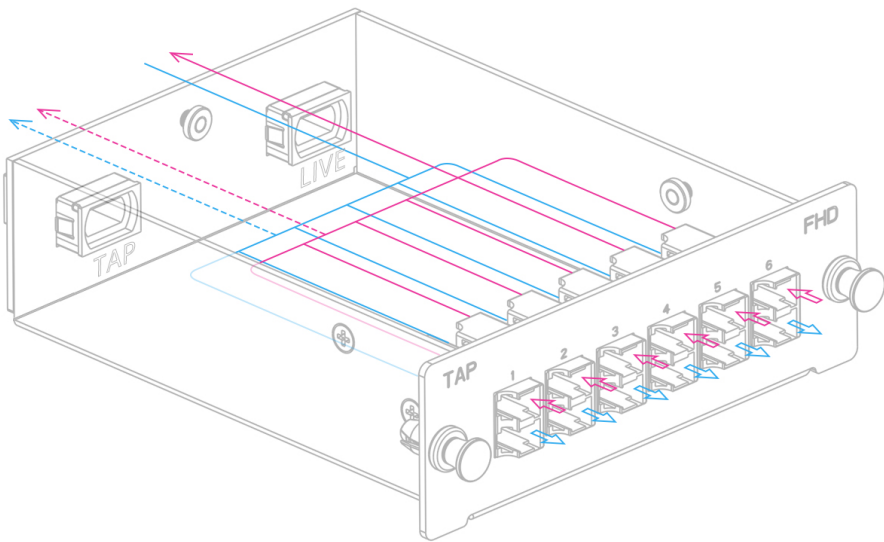


12 x LC Duplex Live Ports, 2 x MTP®-12 Male Live Ports, 2 x MTP®-12 Male TAP Ports



4 x LC Duplex Live Ports, 1 x MTP®-8 Male Live Ports, 1 x MTP®-8 Male TAP Ports

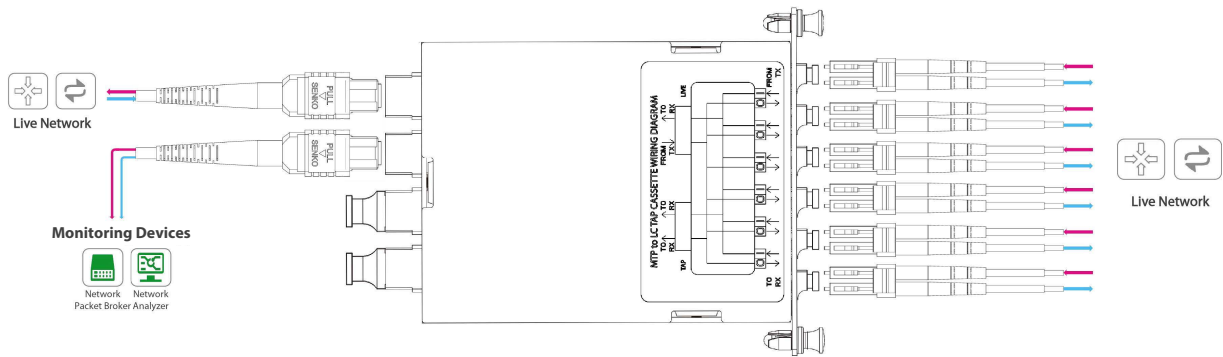
Inner Fiber Sequence



6 x LC Duplex Live Ports, 1 x MTP®-12 Male Live Ports, 1 x MTP®-12 Male TAP Ports

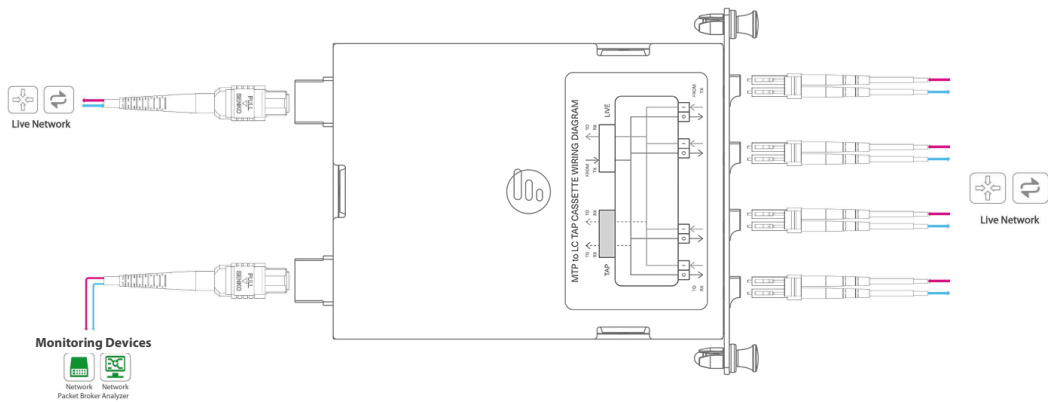
Network Flow

The TAP cassette enables to connect monitoring equipment to the existing high density network infrastructure, saving valuable space and providing flexibility in connecting and disconnecting monitoring equipment on demand, without interfering with live network traffic.

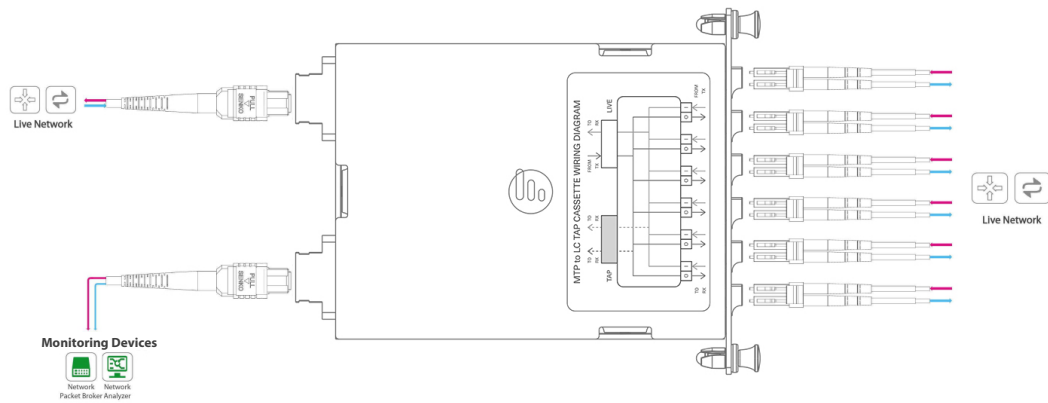


12 x LC Duplex Live Ports, 2 x MTP®-12 Male Live Ports, 2 x MTP®-12 Male TAP Ports

Network Flow

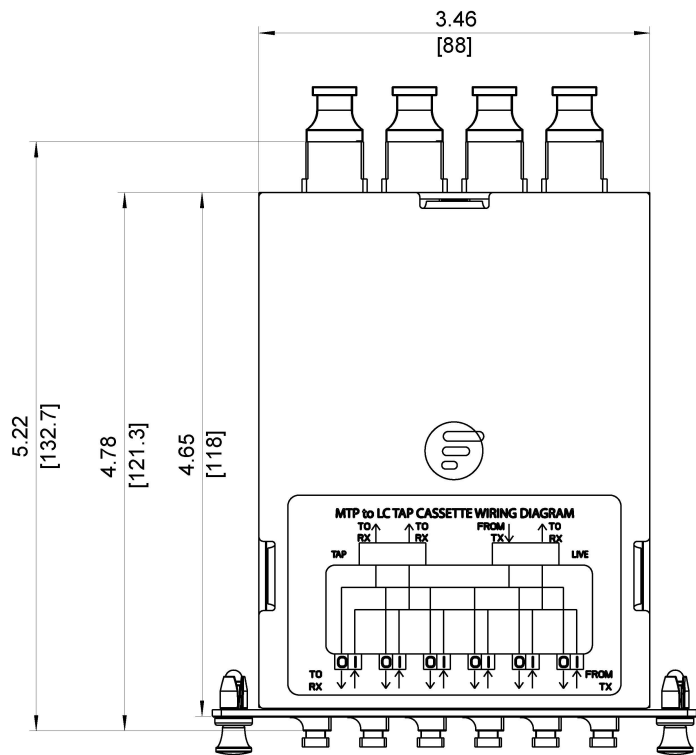


4 x LC Duplex Live Ports, 1 x MTP®-8 Male Live Ports, 1 x MTP®-8 Male TAP Ports

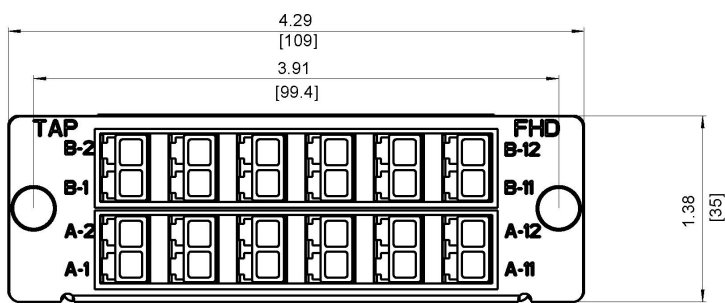


6 x LC Duplex Live Ports, 1 x MTP®-12 Male Live Ports, 1 x MTP®-12 Male TAP Ports

Technical Drawing



Top View

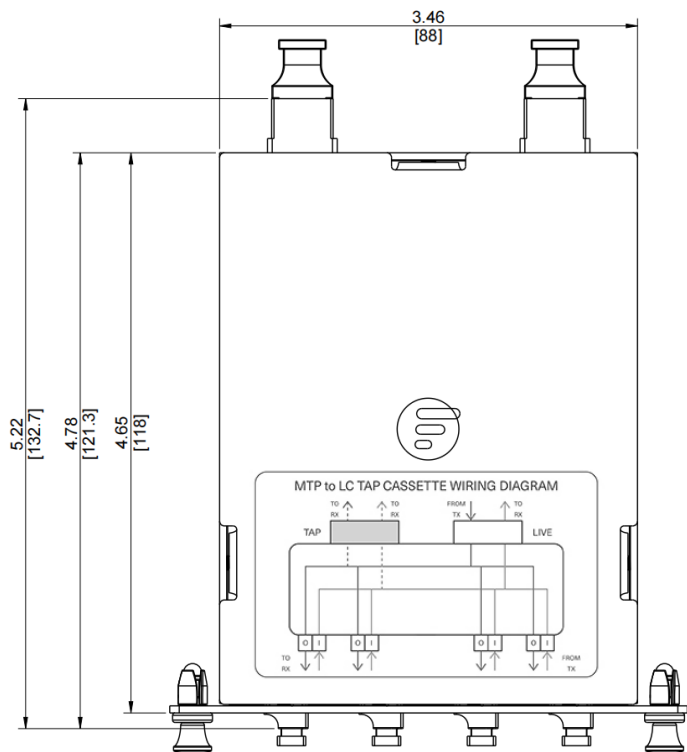


Front View

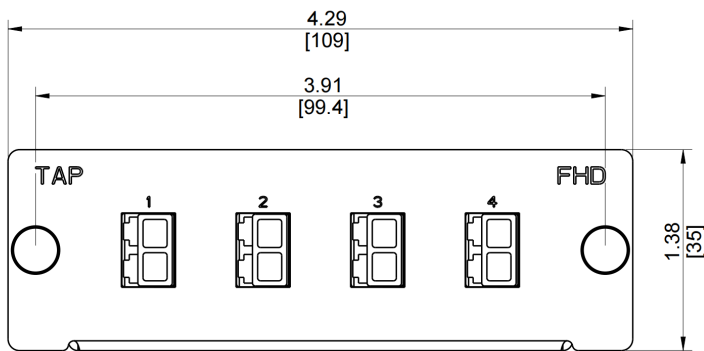
12 x LC Duplex Live Ports, 2 x MTP®-12 Male Live Ports, 2 x MTP®-12 Male TAP Ports

Note: Dimensions are in inches. (Dimensions in parentheses are in millimeters).

Technical Drawing



Top View

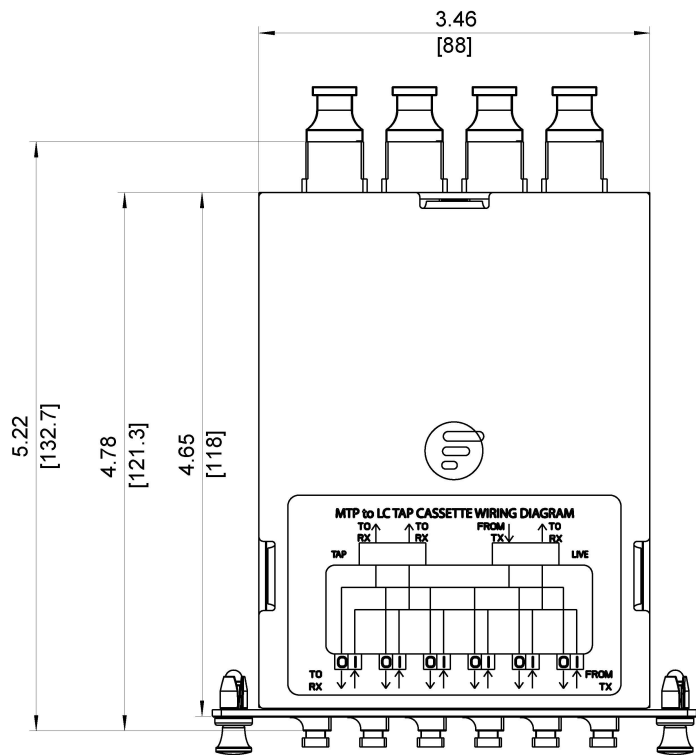


Front View

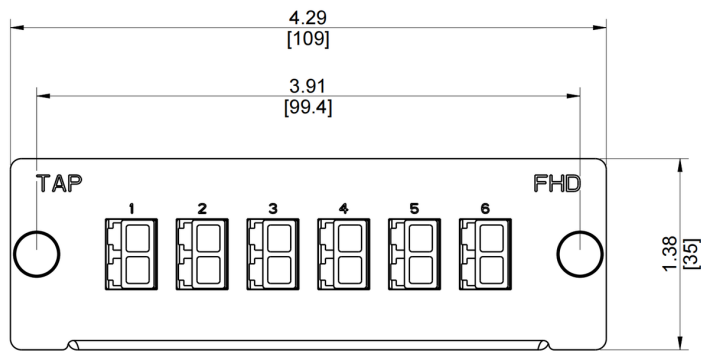
4 x LC Duplex Live Ports, 1 x MTP®-8 Male Live Ports, 1 x MTP®-8 Male TAP Ports

Note: Dimensions are in inches. (Dimensions in parentheses are in millimeters).

Technical Drawing



Top View



Front View

6 x LC Duplex Live Ports, 1 x MTP®-12 Male Live Ports, 1 x MTP®-12 Male TAP Ports

Note: Dimensions are in inches. (Dimensions in parentheses are in millimeters).

FHD MTP®-LCTAP Cassettes List

Item No.	ID	Description
1	#68779	FHD® Fiber TAP Cassette, OS2 Single Mode, 12 x LC Duplex Live Ports, 2 x MTP®-12 Male Live Ports, 2 x MTP®-12 Male TAP Ports, 70/30 Split Ratio (Live/TAP), 10/40/100G
2	#300122	FHD Fiber TAP Cassette, OS2 Single Mode, 4 x LC Duplex Live Ports, MTP®-8 Male Live Ports, MTP®-8 Male TAP Ports, 50/50 Split Ratio (Live/TAP), 10/40/100G
3	#300114	FHD Fiber TAP Cassette, OM4 Multimode, 4 x LC Duplex Live Ports, MTP®-8 Male Live Ports, MTP®-8 Male TAP Ports, 50/50 Split Ratio (Live/TAP), 10/40/100G
4	#300113	FHD Fiber TAP Cassette, OS2 Single Mode, 6 x LC Duplex Live Ports, MTP®-12 Male Live Ports, MTP®-12 Male TAP Ports, 50/50 Split Ratio (Live/TAP), 10/40/100G
5	#300119	FHD Fiber TAP Cassette, OM4 Multimode, 6 x LC Duplex Live Ports, MTP®-12 Male Live Ports, MTP®-12 Male TAP Ports, 50/50 Split Ratio (Live/TAP), 10/40/100G
6	#300107	Customized FHD Fiber TAP Cassette, OS2 Single Mode, LC Duplex Live Ports, MTP® Male Live Ports, MTP® Male TAP Ports
7	#300106	Customized FHD Fiber TAP Cassette, OM4 Multimode, LC Duplex Live Ports, MTP® Male Live Ports, MTP® Male TAP Ports

* More products information please click >

Matching Products List

Item No.	ID	Description
1	#70361	1U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded
2	#73205	2U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded
3	#73206	4U Rack Mount FHD High Density Slide-out Fiber Enclosure Unloaded
4	#96427	1U Rack Mount FHD High Density Fixed Fiber Enclosure Unloaded
5	#70419	1U Rack Mount FHD Modular Fiber Enclosure Panel
6	#50550	FHD Fiber Optic Wall Mount Enclosure, 2-Door 2-Adapter Panel
7	#68294	1m LC UPC to LC UPC Duplex OS2 Single Mode PVC 2.0mm BIF Fiber Optic Patch Cable
8	#69015	3m (10ft) MPO Jumper, MPO-12 APC (Female), 12 Fibers, Single Mode (OS2), Type B
9	#69009	2m (7ft) MTP® Jumper, MTP®-12 UPC (Female), 12 Fibers, Multimode (OM4), Type B