



1、 Descriptions

The MPO/MTP cassette is mainly used to separate the 12 or 24 core MPO/MTP connector of the MPO/MTP backbone optical cable terminal into a single core or a dual core. The output terminal of the cassettes can be connected directly to the output port of the system equipment, the port of the distribution frame or the user end by using a single core or a double core jumper. The front can choose 12 port SC simplex connector and 12 port LC duplex connector, the back can choose one or two MPO/MTP adapter. The cassettes is a jumper cable, which is directly connected with the front panel and the back adapter of the module. The cassettes can be mounted in 1U/2U/3U/4U 19" enclosure.

2、 Features

- The 12 core MPO/MTP connector branch to the LC duplex connector or SC connector
- Low loss connection, provides system design flexibility
- Front panel assembly LC or SC adapter, rear panel assembly MPO/MTP adapter
- The use of high-quality engineering plastics and aluminum alloy materials, surface electrostatic spray, beautiful appearance, easy to use
- MPO/MTP panel can be easily upgraded
- All ports are labeled front, easy to identify
- Convenient installation, flexible configuration, easy to manage

3. Specifications

Connector Type	A : MPO / MTP		B : LC/SC
Fiber Type	SM (9/125um)		MM (50/125um、62.5/125um)
Polish	UPC	APC	UPC
Insertion Loss	MPO / MTP : Low Loss \leq 0.35dB, Standard Loss \leq 0.60dB LC/SC : Low Loss \leq 0.15dB, Standard Loss \leq 0.30dB		
Return Loss	\geq 50dB	\geq 60dB	\geq 20dB
3D(MPO/MTP)	Fiber Height : 1000~3500nm Radius Long: 500mm min Radius Short: 50mm min Max Fiber Differential < 400nm Max Fiber Adj Diff < 200nm Ferrule Height: 7.95mm min MM Core Dip: <100nm		
3D(LC/SC)	Radius of Curvature :10-25mm(PC/UPC) , 5-12mm(APC) Apex offset : 0-50um High fiber : \pm 100 nm Angle: $8\pm 0.2^\circ$ (APC)		
Repeatability	1000 times typical change value \leq 0.20dB		
Interchangeability	\leq 0.20dB		
Tester Brand	EXFO & JGR		
MPO / MTP Connector	Male / female		
Jacket Material(optional)	LSZH、OFNP、OFNR、PVC		
Jacket color	Aqua (OM3, OM4), Erica Violet (OM4), Yellow (OS1/OS2, G.657A1), Orange (OM1, OM2)		
Cable Diamete(Branch)	0.9 mm		
Fiber countl(optional)	8, 12, 16, 24 Core		
Fiber Moder(optional)	OS1, OS2, OM1, OM2, OM3, OM4		
Operating Temperature	-20 ~ +70 °CS		

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Storage Temperature	-40 ~ +85 °C
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4. Application

- Data Center LAN/SAN
- Telecommunications subscriber loop
- Fiber to the home (FTTH)
- High density cable wiring system
- High integrated equipment and devices

