



### 1、Description

MPO/MTP Hydra patchcords pre-terminated cable refers to the use of MPO single head 12 core or 24 connector at the end of the cable, and the other end of the cable is using the LC/SC conector,MPO/MTP hydra patchcords is deployed inside plug and play cassette modules.this solution is a 12-colored 0.9mm cable utilizing a MPO/MTP connector on one end and generic connector (such as LC,SC edc.).they are available for purchase as a bundle with iphotonics's plug and play modules.

### 2、Features

- 8,12 and 24 fiber connector terminations and assemblies
- Insertion loss type available in Standard, Elite / Low Loss
- MPO / MTP connector type available in Male, Female, Male to Female
- MPO / MTP assembled with 0.9mm cable to single-fiber connectors
- Improve and simplify fiber routing, decrease fiber management space

### 3、Specification

Connector Type	A : MPO / MTP		B : LC/SC
	Fiber Type	SM (9/125um)	
Polish	UPC	APC	UPC
Insertion Loss	MPO / MTP : Low Loss≤0.35dB, Standard Loss≤0.60dB LC/SC/FC/ST : Low Loss≤0.15dB, Standard Loss≤0.30dB		
Return Loss	≥50dB	≥60dB	≥20dB

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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/FC/ST)	Radius of Curvature :10-25mm(PC/UPC) , 5-12mm(APC) Apex offset : 0-50um High fiber : ±100 nm Angle: 8±0.2°(APC)
Repeatability	1000 times typical change value ≤ 0.20dB
Interchangeability	≤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)	2.0, 3.0mm
Fiber count(optional)	8, 12, 16, 24 Core
Fiber Moder(optional)	G652D, G657A, OM1, OM2, OM3, OM4
Operating Temperature	-20 ~ +70 °CS
Storage Temperature	-40 ~ +85 °C

#### 4、 Application

- Data center system networks
- High-Density Cross Connect
- Inside plug and play fiber cassette module.
- High Density Fiber Management.

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