

MPO Fiber Patch Cord Spec



MPO / MTP multi-core fiber optic cable patch cord component products are made up of multi-core fiber optic cable and corresponding 4/8/12/24/48-core high density MPO/MTP. This product is available in male or female MPO/MTP models and is available in a variety of sizes of 448-core single-mode and multi-mode fiber optic cables, such as ordinary G652D/G657A1/G657A2 single-mode fiber optic cable, multi-mode 62.5/125, OM2/OM3/OM3/OM4, or high-performance 10G multi-mode fiber optic cables that are resistant to bending.

Features

- RoHS compliance
- Telcordia GR-1435 compliance
- 8/12/24/48 core with MM and SM options
- High Stability and Reliability



Application

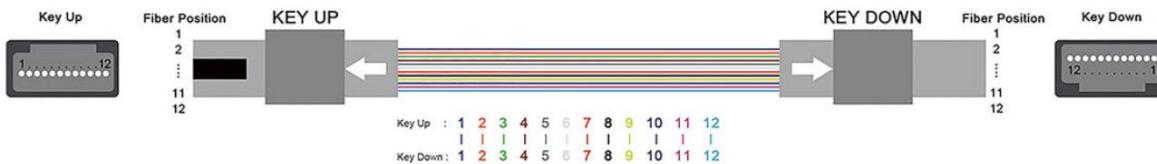
- Data center
- 10G/40G/100G networks
- CATV System
- Optical Transmission System
- Equipment Tester

Performance Specifications

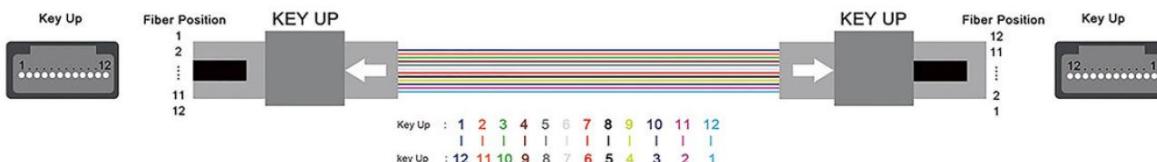
Characteristic	Unit	Single Mode	Single Mode (Low Loss)	Multi Mode	Multi Mode (Low Loss)
Fiber Channel	EA	8,12,24	8,12,24	8,12,24,48	8,12,24
MPO/MTP Connector Insertion Loss(IL)	dB	≤0.75	≤0.35	≤0.7	≤0.35
MPO/MTP Connector return loss(IL)	dB	≥60		≥20	
Fanout connector insertion loss(IL)	dB	≤0.3	≤0.2	≤0.3	≤0.2
Fanout connector return loss(IL)	dB	≥60(APC); ≥50(UPC)		≥25	

The MPO Polarity

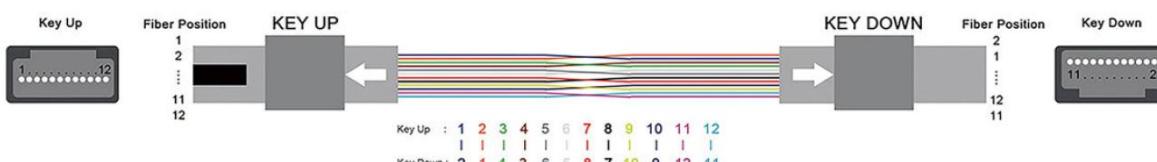
Polarity A: Straight Through



Polarity B: Cross



Polarity C: Cross Pair

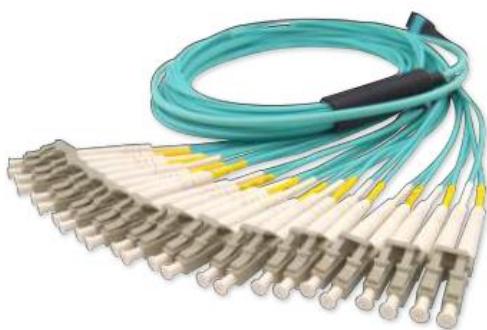


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The type of product



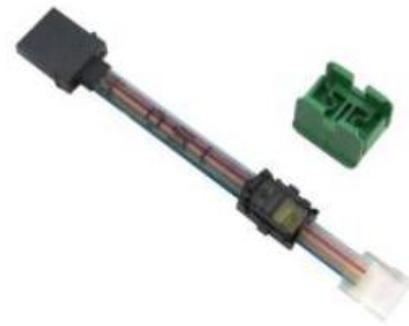
24F MPO breakout to LC duplex



48F MPO patch cord



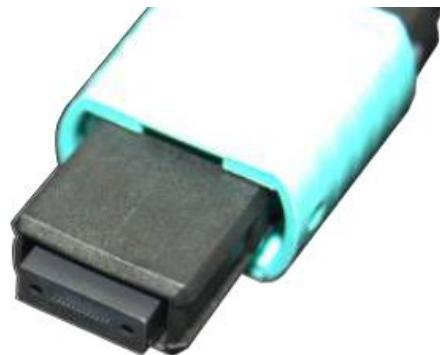
MPO-PRIZM Light Turn Fiber array



MT-PRIZM Light Turn Fiber array



Flexible boot



Precision laser fiber cleaving

Order information:

MPO (Jumper) PN: MPO-XXXXXXX-XX (MPO+7 Code+2 Serial Number)

MPO	XX		XX		X		X		X		XX
	A-side Connector		B-side Connector		Fiber Type		Fiber Jacket		Fiber Length		
01	MPO-Female	NC	none	0	G652D	0	250um Bare Fiber	0	0.5m		
02	MPO-Male	01	MPO-Female	1	G657A1	1	0.9mm Loose	1	1.0m		
SU	SC/UPC	02	MPO-Male	2	G657A2	2	2.0mm Loose	2	1.5m		S
SA	SC/APC	SU	SC/UPC	3	G657B3	3	3.0mm Loose	3	2.0m		N
FU	FC/UPC	SA	SC/APC	4	1310 PM	4	0.9mm Tight Tube	4	2.5m		
FA	FC/APC	FU	FC/UPC	5	1550 PM	5	2.0mm Tight Tube	5	3.0m		
LU	LC/UPC	FA	FC/APC	6	OM1	6	3.0mm Tight Tube	6	3.5m		
LA	LC/APC	LU	LC/UPC	7	OM2	S	Special	7	0.7m		
ST	ST/UPC	LA	LC/APC	8	OM3			8	1.2m		
0S	Special	ST	ST/UPC	9	OM4			9	2.7m		
		0S	Special	S	Special			S	Special		

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