

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

- RoHS8 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

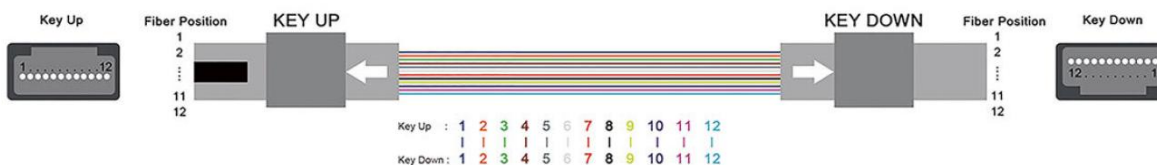


Performance Specifications

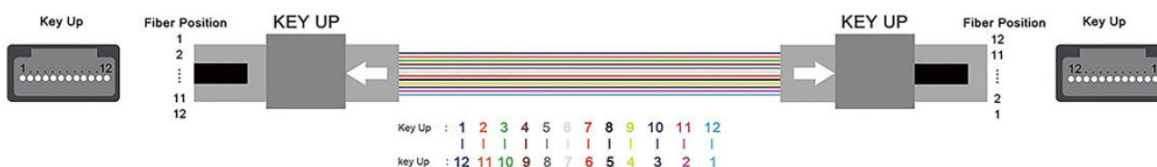
Characteristic	Unit	Single Mode	Single Mode (Low Loss)	Multi Mode	Multi Mode (Low Loss)
Fiber Channel	EA	8,12,24	8,12,24	8,12,24,48	8,12,24
MPO/MTP Connector Insertion Loss(IL)	dB	≤0.75	≤0.35	≤0.7	≤0.35
MPO/MTP Connector return loss(IL)	dB	≥60		≥20	
Fanout connector insertion loss(IL)	dB	≤0.3	≤0.2	≤0.3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

The MPO Polarity

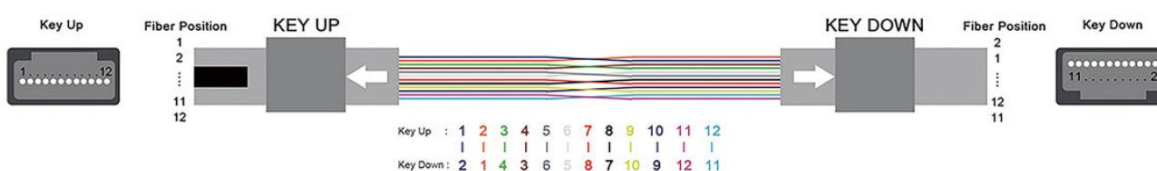
Polarity A: Straight Through



Polarity B: Cross



Polarity C: Cross Pair



Hirundo Optics Inc

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The type of product



Order information:

MPO (Jumper) PN: MPO-XXXXXX-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	S N
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	
SA	SC/APC	SU SC/UPC	3 G657B3	3 3.0mm Loose	3 2.0m	
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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