

8F & 12F MPO(MTP®) Patchcord Specifications



3 规格参数/Specifications

参 数/Parameters		规 格/Specifications		单位/Units	注释/Notes
光纤芯数/Fiber Count		8~12			1. Comply with RoHS requirement 2. Endface comply with IEC 61300-3-35
光纤类型/Fiber Type		OS2/OM1/OM2/OM3/OM4/OM5			
插入损耗/Insertion Loss		Standard loss: ≤0.75 & Low loss: ≤0.35		dB	
测试波长/Test Wavelength		多模/Multimode	850	nm	
		单模/Single Mode	1310 & 1550		
回波损耗/Return Loss		多模/Multimode	≥20(PC)	dB	
		单模/Single Mode	≥60 (APC)		
		单模/Single Mode	≥40 (PC)		
外护套 Jacket	外径 OD	3.0 (±0.2)		mm	
	材质 Material	LSZH/PVC/OFNR/OFNP			
	颜色 Color	多模/Multimode	Orange (OM1&OM2)		
		多模/Multimode	AQUA (OM3&OM4&OM5)		
		单模/Single Mode	Yellow (OS2)		
加强元件 Strength Member		芳纶纱 Aramid yarn			
连接头 Connector	类型 Type	MPO Female & MPO Male(SENKO or Other Brand) MTP® Female & MTP® Male (USCONEC Brand)			
	颜色 Color	See Page 2 Connector color			
极性 Polarity		See Page 3 Polarity (Type A/ Type B/ Type C)			
包装 Packaging		R&H Neutral packing			
工作温度 Operating Temperature		-10 ~ +60		°C	

安装温度 Installation Temperature	-20 ~ +60	°C	
储存温度 Storage Temperature	-25 ~ +70	°C	

Notes:

- 1) Multimode Cable attenuation 3.0dB/km@850nm and 1.0dB/km@1300nm;
- 2) Single-mode Cable attenuation 0.4dB/km@1310nm and 0.3dB/km@1550nm;
- 3) Singlemode Test @1310nm&1550nm, Laser Optimized Multimode Test @850nm;
- 4) OS2 fiber(9/125um): G.652D, G.657A1, G.657A2, G.657B2, G.657B3; OM1 fiber (62.5/125um), OM2/OM3/ OM 4/OM5 fiber (50/125um);
- 5) Test Method is IEC 61300-3-4 METHOD B;
- 6) For other requirements, please consult the relevant staff.

4 连接头颜色/Connector Color

连接头类型 Connector type		外框颜色 Housing Color	尾护套颜色 Boot Color	防尘帽颜色 Cap Color	备注 Remark
MPO/MTP®	MM(PC)	Aqua	Black	Black	
	SM STD LOSS(APC)	Green	Black	Black	apply to Standard LOSS
	SM STD LOSS(PC)	Blue	Black	Black	apply to Standard LOSS
	SM LOW LOSS(APC)	Yellow	Black	Black	apply to LOW LOSS

Notes:

- 7) Above is the R&H standard, if you have any other requirements, please order remarks (such as color, length, Connector brand);
- 8) Connector conforms to IEC 61754 and YD/T 1272 standard;
- 9) MM: Multimode, SM: Single Mode.

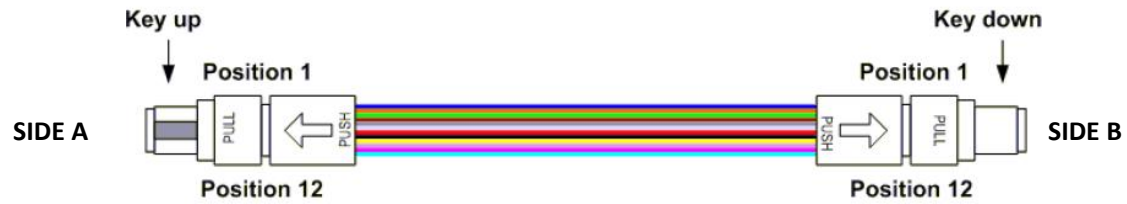
5 3D 几何参数/3D Geometric Parameters

测量参数 Measured parameters			最小值(Min)	最大值(Max)	备注 (Remark)
曲率半径/ROC	X-ROC 曲率半径		2000mm	N/A	
	Y-ROC 曲率半径		5mm	N/A	
角度/Angle	X-Axis 轴		-0.15°	+0.15°	
	Y-Axis 轴	APC	7.8°	8.2°	
		Flat	-0.2°	+0.2°	
光纤高度/Fiber Height			1000nm	3500nm	
最大所有光纤高度差/Diff. Height			N/A	500nm	
最大相邻光纤高度差/Adj. Height			N/A	300nm	
光纤凹陷/Core Dip			-200nm	+200nm	apply to multimode

6 极性/Polarity (Conform to ANSI/TIA-568.3-D Standard)

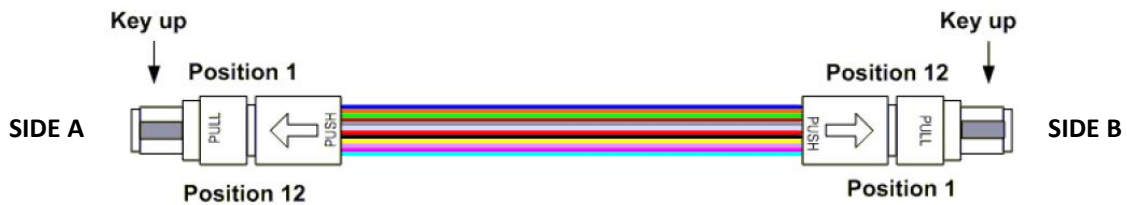
6.1 Type A Polarity

8F	Type A	SIDE A MT Hole Position	1	2	3	4	NA	NA	NA	NA	9	10	11	12
		SIDE B MT Hole Position	1	2	3	4	NA	NA	NA	NA	9	10	11	12
12F	Type A	SIDE A MT Hole Position	1	2	3	4	5	6	7	8	9	10	11	12
		SIDE B MT Hole Position	1	2	3	4	5	6	7	8	9	10	11	12



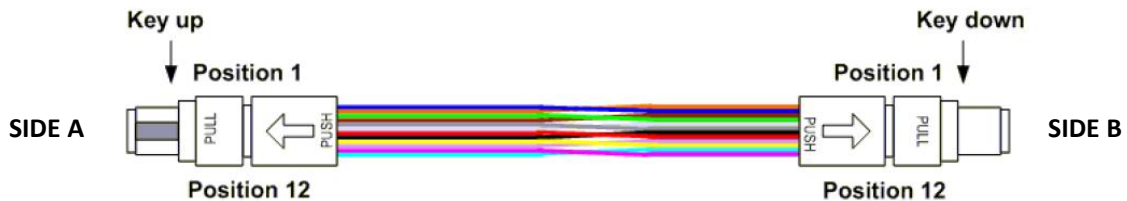
6.2 Type B Polarity

8F	Type B	SIDE A MT Hole Position	1	2	3	4	NA	NA	NA	NA	9	10	11	12
		SIDE B MT Hole Position	12	11	10	9	NA	NA	NA	NA	4	3	2	1
12F	Type B	SIDE A MT Hole Position	1	2	3	4	5	6	7	8	9	10	11	12
		SIDE B MT Hole Position	12	11	10	9	8	7	6	5	4	3	2	1



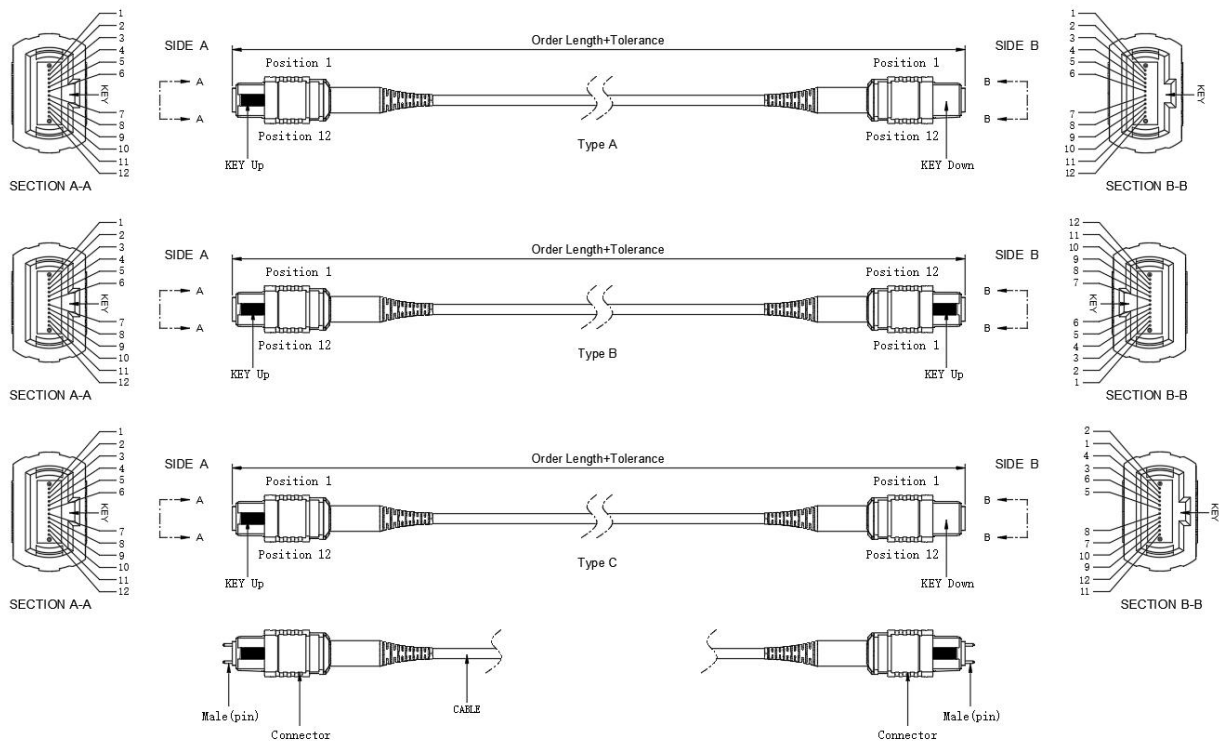
6.3 Type C Polarity

8F	Type C	SIDE A MT Hole Position	1	2	3	4	NA	NA	NA	NA	9	10	11	12
		SIDE B MT Hole Position	2	1	4	3	NA	NA	NA	NA	10	9	12	11
12F	Type C	SIDE A MT Hole Position	1	2	3	4	5	6	7	8	9	10	11	12
		SIDE B MT Hole Position	2	1	4	3	6	5	8	7	10	9	12	11



10) 8-core product uses only 1, 2, 3, 4, 9, 10, 11, and 12 holes.

7 产品示意图/Product diagram



Notes:

11) Connector figure in the drawing is for reference only, please refer to the actual object.

Order Length	Tolerance
$L \leq 1M$	$+50mm/-0$
$1 < L \leq 20M$	$+200mm/-0$
$L > 20M$	$+1\%*L/-0$

End

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