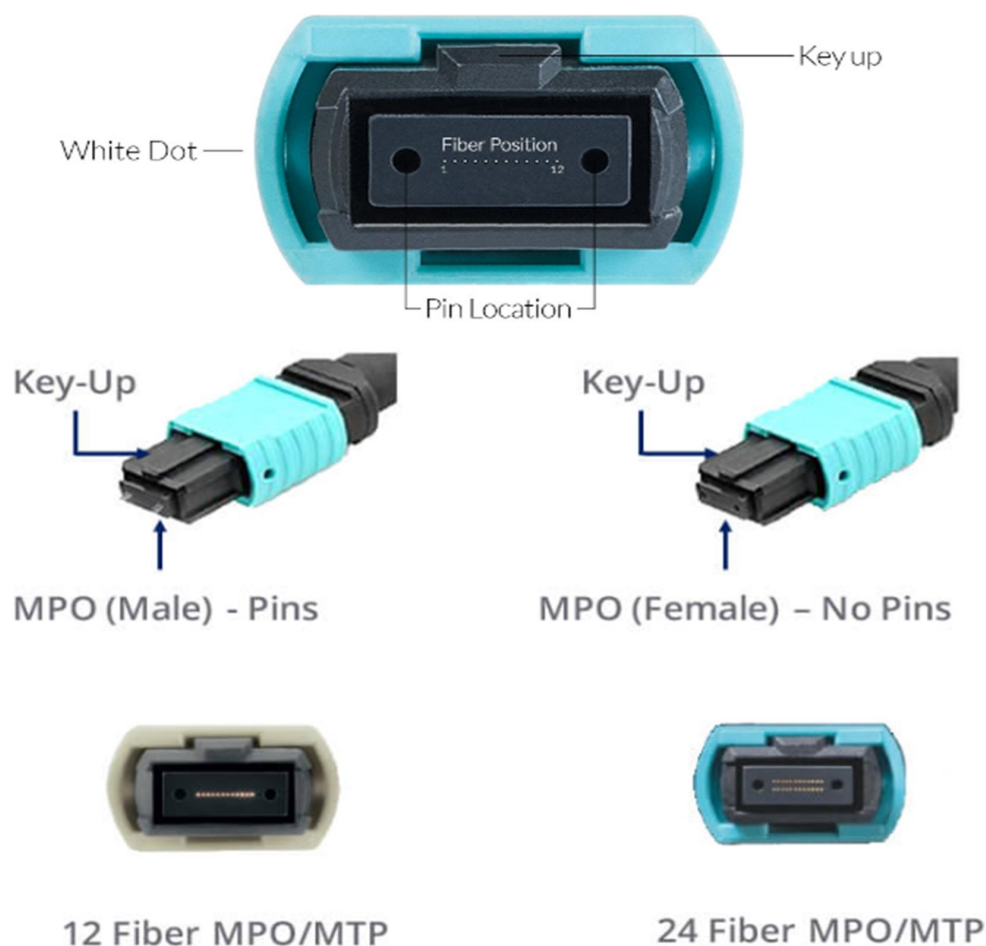




MTP-MTP Fiber Patch Cord Datasheet

Structure for MTP/MPO connector

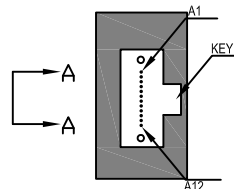


MTP Specification

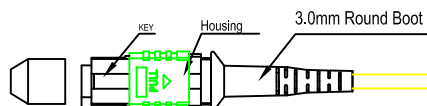
MPO Connector		Standard MT Ferrule		Low Loss MT Ferrule		Standard MM MT Ferrule	Low Loss MM MT Ferrule
Polish		UPC	APC	UPC	APC		
Insertion Loss(dB)	Typical	≤0.5		≤0.3		≤0.5	≤0.3
	Maximum	≤0.7		≤0.5		≤0.7	≤0.5
Return Loss(dB)		≥45	≥60	≥45	≥60	≥20	≥20
Exchangeability (dB)		≤0.3					
Durability(dB)		≤0.2dB(500 matings,per EIA-455-21A)					
Tensile Strength (N)		≤66					
Operating Temperature (°C)		-20~+60					
Storage Temperature (°C)		-40~+80					

Datasheet for MTP cable

Model		SM	MM
Connector A:MPO/MTP			
Connector Fiber Count		8,12,24,48 Core	
Polish		PC,APC	PC
Insertion Loss	Standard	$\leq 0.70\text{dB}$	$\leq 0.50\text{dB}$
	Elite Low Loss	$\leq 0.35\text{dB}$	$\leq 0.30\text{dB}$
Return Loss		PC $\geq 50\text{dB}$,APC $\geq 60\text{dB}$	$\geq 30\text{dB}$
Durability(500 Matings)		$\leq 0.2\text{dB}$	
Test Wavelength		1310/1550nm	850/1300nm
Connector B:LC,LC Uniboot,SC,FC,ST			
Polish		PC,APC	PC
Insertion Loss		$\leq 0.2\text{dB}$	$\leq 0.2\text{dB}$
Return Loss		PC $\geq 50\text{dB}$,APC $\geq 60\text{dB}$	$\geq 35\text{dB}$
Durability(500 Matings)		$\leq 0.2\text{dB}$	
Test Wavelength		1310/1550nm	850/1300nm

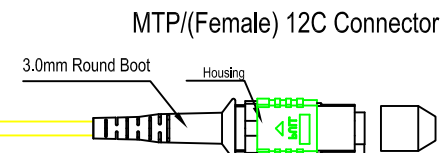


MTP/(Female) 12C Connector

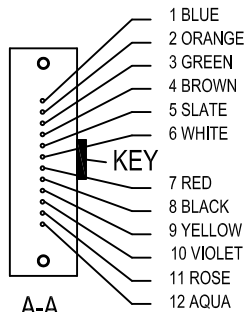
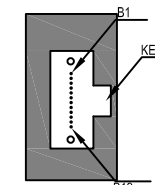


Connector Key up

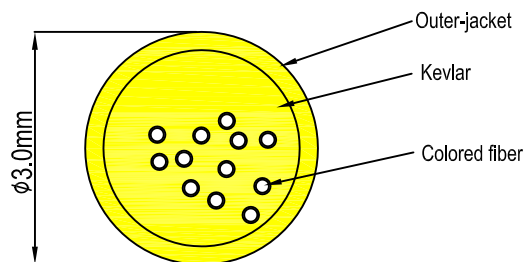
Ø3.0mm 12C SM 9/125 Mini Round LSZH Cable



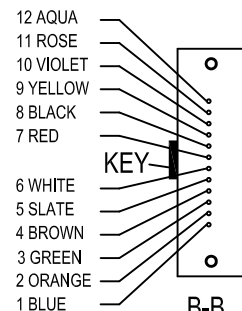
Connector Key Down



A-A



12fiber Round Cable



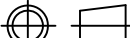
B-B

PARAMETER	REQUIREMENT
RX=RADIUS OF CURVATURE X	RX MIN. 2000mm
RY=RADIUS OF CURVATURE Y	RY MIN. 50mm
GX=ENDFACE ANGLE X	-0.2° ≤ GX ≤ 0.2°
GY=ENDFACE ANGLE Y	-0.2° ≤ GY ≤ 0.2°
H=FIBER PROTRUSION HEIGHT	1000nm ≤ H ≤ 3000nm
HA=FIBER PROTRUSION DIFFERENTIAL TOTAL	HA ≤ 300nm
HB=FIBER PROTRUSION DIFFERENTIAL ADJACENT	HB ≤ 300nm
FIBER CORE DIP	CD ≤ 100nm

FIBER NO. A-NO. B		FIBER COLOR
A1	B1	BLUE
A2	B2	ORANGE
A3	B3	GREEN
A4	B4	BROWN
A5	B5	SLATE
A6	B6	WHITE
A7	B7	RED
A8	B8	BLACK
A9	B9	YELLOW
A10	B10	VIOLET
A11	B11	ROSE
A12	B12	AQUA

Remark:

1. Tolerance: L=1~10M is +0.15/-0M
L>10M is +L 1%/-0M
2. The product is comply with ROHS
3. Standards: IEC-61755-3-31
4. Fiber is SM G652D
5. MTP/APC: IL<0.35dB , RL> 60dB
6. Patchcord Length: customers standard

		Designed By	June.L	2015.9.26	DESC.	12F MICROCORE MTP-MTP
Tolerances unless otherwise specified:		Checked By				
		Approved By			DRG.No.	ORC-MTP/MTP-002
Units	mm					
Version	A1					
Scale						
			sheet 1 of 1			