



MT Family - MPO/MTP/MT - FIBER OPTIC PATCH CORDS

Description

MT family is an array technology providing quick connection for 4, 8 or 12 fibers. It reduces time and cost of installation. Fiber alignment is achieved with high precision guide pins. The ferrules and connectors are manufactured to IEC 61754-5 and 61754-7 respectively.

The MT family has two categories:

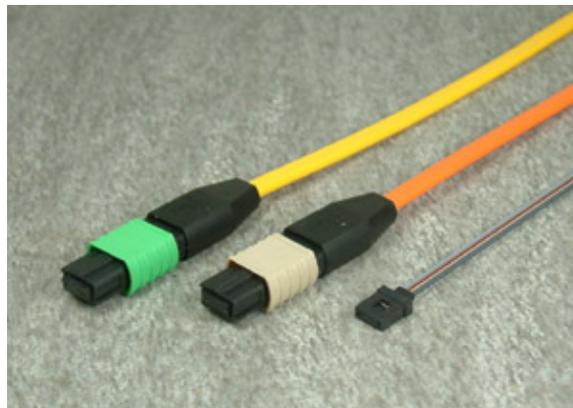
1) MPO or MTP* connector assembled to ribbon (or ribbonized) cable or bare ribbon. Connectors with push-pull latching mechanism are coupled via an adapter.

MTP has an extra feature over MPO with a removable housing for re-polishing.

2) MT ferrule with fiber ribbon. MT ferrules are coupled using a spring clamp only.

Multimode connectors are flat polished, and single mode connectors are 8° angle-polished. Other end-face polishes are provided on request.

*MTP is a trademark of US Conec Ltd.



Features

- High density interconnection
- High precision guide pins for fiber alignment
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

- Local Area Networks
- Optical switch connections
- Fiber Channel
- Parallel interconnection
- Miniature OE modules

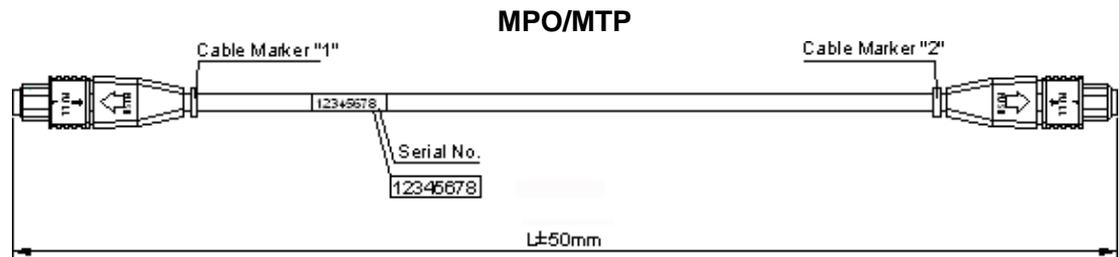
Specifications

Basic				
Characteristics	Unit	SM	Low Loss SM	MM
Insertion Loss (IL)	dB	≤0.75	≤0.35	≤0.75
Return Loss (RL)	dB	≥55		≥20
Endurance (500 remates)	dB	ΔIL≤0.3		ΔIL≤0.2
Endface	-	8° Angle Polish		Flat Polish
Operating Temperature	°C	-10 ~ +60		
Storage Temperature	°C	-40 ~ +70		
Axial Pull for jacketed cable	N	100		

Specifications

Transmission						
Characteristics	Unit	SM	Std. 50um	62.5um	OM2	OM3
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/1550)	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)
Min. Bandwidth	MHz*km (nm)	-	500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)
Dispersion Coefficient	ps/nm ² *km	≤3.0 (1310nm)	-	-	-	-

Dimensional Drawing



Ordering Information

Part Number: **PC-MO M MO F 12 R R R - 5**

1 2 3 4 5 6 7 8 9

- 1** Connector #1 MO=MPO, MP=MTP, MT=MT
- 2** Gender 1 F=Female, M=Male
- 3** Connector #2 MO=MPO, MP=MTP, MT=MT, P=Pigtail (no connector at this end)
- 4** Gender 2 F=Female, M=Male, T=Pigtail
- 5** Fiber Count 8 or 12
- 6** Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, D=Low Loss SM
- 7** Cable Jacket R=Riser, P=Plenum, L=LSZH, N=no jacket(bare ribbon)
- 8** Cable Type R=Ribbon Cable, D=Distribution Cable, B=Bare Ribbon, etc.
- 9** Cable Length Length in meter, i.e. 5=5m

Products manufactured in ISO 9001 certified facilities



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