



## 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.

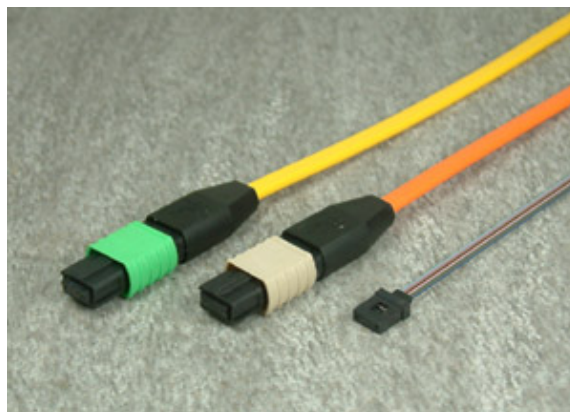
The MT family has two categories:

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 <sup>2</sup> •km	≤3.0 (1310nm)	-	-	-	-