

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.

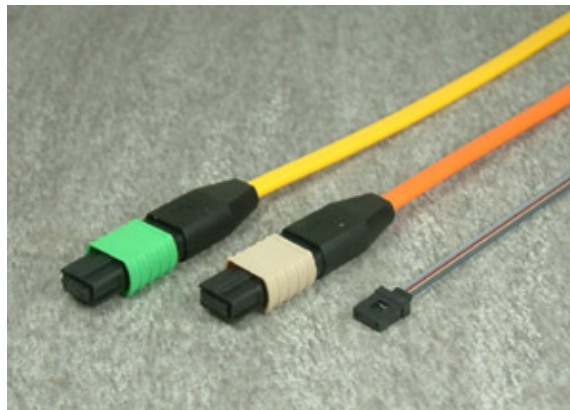
The MT family has two categories:

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

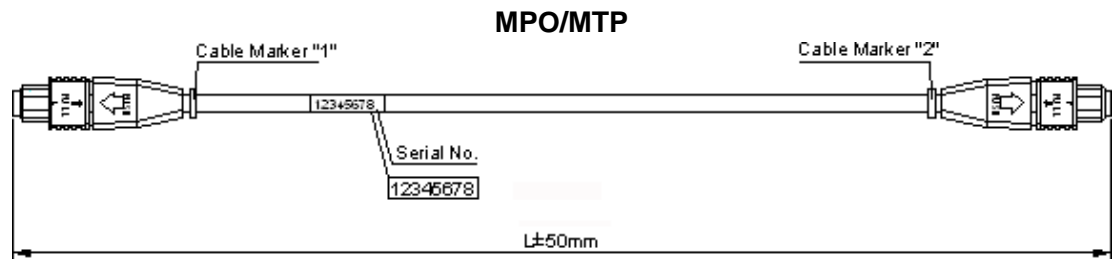
Specifications

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



Part# = S — 2 — 7U — 8U — S — 3 — R

CABLE TYPE

S=Simplex 3.0mm
 D=Duplex 3.0mm
 B=Breakout
 C=Distribution
 N=900um Buffered Fiber
 Y=Simplex 2.0mm
 V=Duplex 2.0mm
 A=Armored Cable

CORE SIZE

1=G652D
 2=G657A1
 3=G657A2
 4=G657B3
 5=50/125um
 6=62.5/125um
 7=OM3
 8=OM4
 O=Other

CONNECTORS

7=FC/PC
 7U=FC/UPC
 7A=FC/APC
 8=ST/PC
 8U=ST/UPC
 L=LC/PC
 LU=LC/UPC
 LA=LC/APC
 Y=SC/PC
 YU=SC/UPC
 YA=SC/APC
 MR=MTRJ
 MU=MU
 E2=E2000
 MO=MPO, MP=MTP, MT=MT

MODE

S=SM
 M=MM
 H=Hybrid

LENGTH IN METERS

Multi-Fiber Count Only

04=4 Fiber
 06=6 Fiber
 12=12 Fiber
 24=24 Fiber
 48=48 Fiber
 72=72 Fiber
 96=96 Fiber

Cable Jacket

P=PVC
 L=LSZH