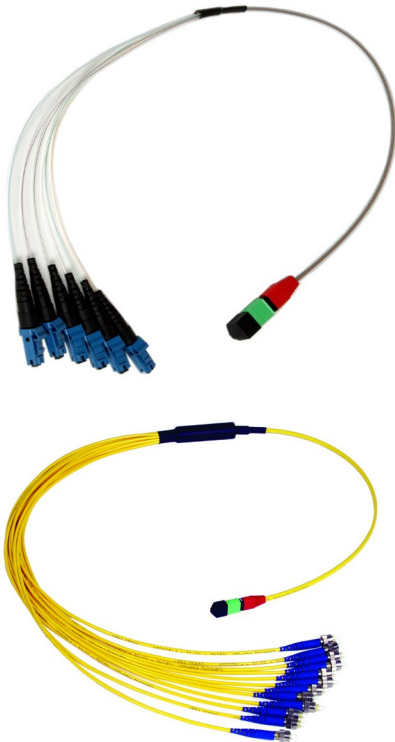


## MTP/MPO Fan-Out Assemblies

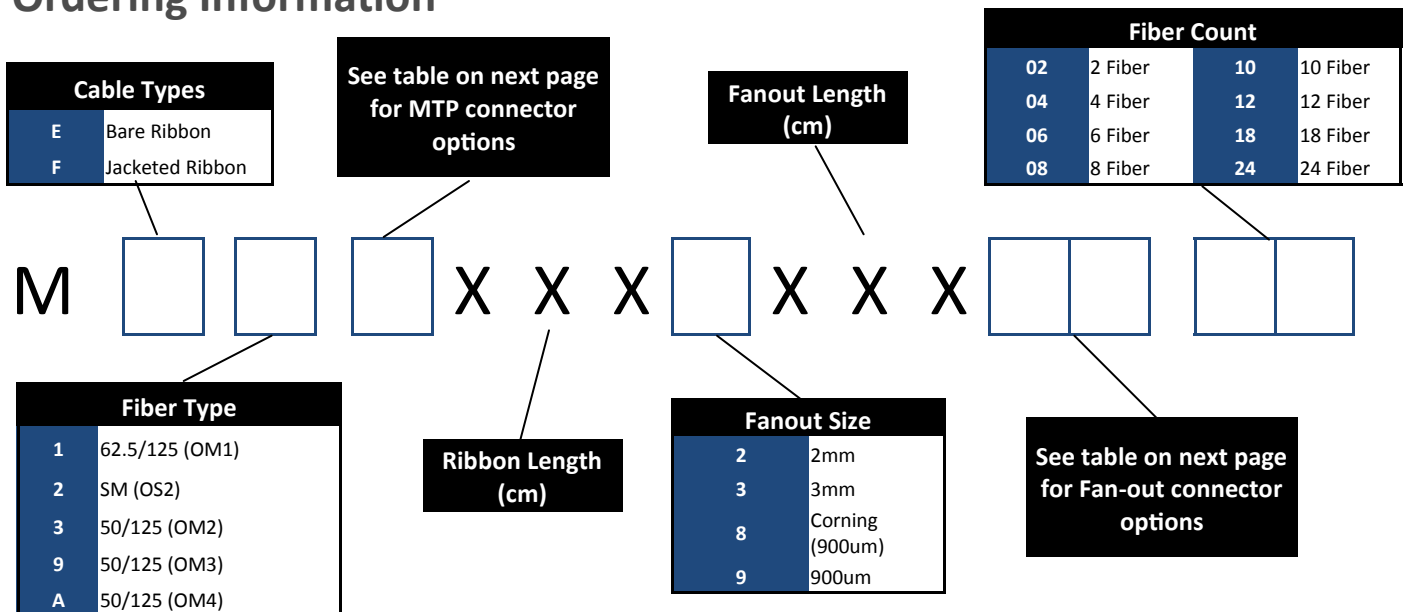
Fiber Connections' fan-out assemblies are custom made to each customer's individual requirements. Fan-outs are available in a wide variety of cable, fiber and connector configurations. These assemblies are made to order and 100% tested. Each assembly is individually packaged and serialized with test results included. These high quality assemblies are available in custom lengths up to 2 meters (for lengths over 2 meters, please contact customer service).



### KEY FEATURES

- FACTORY TERMINATED/TESTED SOLUTION  
ELIMINATES INSTALLATION VARIABILITY
- 100% END FACE GEOMETRY TESTING IS AVAILABLE  
UPON REQUEST
- INDUSTRY LEADING SUPER LOW MTP INSERTION  
LOSS VALUES
- CUSTOM CONFIGURATIONS AVAILABLE UPON  
REQUEST
- MANY FANOUT JACKET SIZES TO CHOOSE FROM  
SUCH AS 900um, 2mm, 3mm.
- MANUFACTURED IN NORTH AMERICA FOR QUICK  
TURN AROUND

## Ordering Information





MTP Connectors	
F	Female
M	Male
A	Flat SM Female
E	Flat SM Male
J	Elite Female
G	Elite Male
P	Flat Protruded
L	Elite Ferrule
R	Standard Ferrule
S	24F MTP(f)
T	24F MTP(m)

Fan-Out Connector Types			
MM Connectors		SM Connectors	
LP	MM LC	LU	SM LCupc
UP	MM LC UNIBOOT	UU	SM LCupc UNIBOOT
LM	MM MINI-LC	LM	SM MINI-LCupc
CP	MM SC	CU	SM SCupc
CC	MM SC (w/clips)	CD	SM SCupc (w/clips)
SP	MM ST (poly body)	CZ	SM SCapc
TP	MM ST (metal body)	SU	SM STupc (poly body)
FP	MM FC	TU	SM STupc (metal body)
RM	MM MTRJ (male)	FU	SM FCupc
RJ	MM MTRJ (female)	FZ	SM FCapc
		RM	SM MTRJ (male)
		RJ	SM MTRJ (female)

## Specifications

### Fiber Performance

Fiber Type	Multimode				Singlemode
	OM1 62.5/125um (850/1300nm)	OM2 50/125um (850/1300nm)	OM3 50/125um (850/1300nm)	OM4 50/125um (850/1300nm)	OS2 8/125um (1310/1550nm)
Attenuation, Max (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.4/0.3
Minimum Overfilled Launch (OFL) Bandwidth (Mhz.km)	200/500	700/500	1500/500	1500/500	na
Minimum Effective Modal Bandwidth (Mhz.km)	220/-	950/-	2000/-	5350/-	na
Serial 1 Gigabit Ethernet Distance (M)	300/550	750/600	1000/600	1000/600	5000/-
Serial 10 Gigabit Ethernet Distance (M)	33/-	150/-	300/-	600/-	10000/40000

### MTP Connector Performance

Fiber Type	Multimode	Singlemode
Connector Insertion Loss	Standard MTPs: 0.2dB Typical, 0.5dB Maximum Elite MTPs: 0.17dB Typical, 0.35dB Maximum Super Low Loss Elite: 0.1dB Typ, 0.2dB Max (OM4 only)	Std MTPs: 0.25 dB Typical, 0.5dB Maximum Elite MTPs: 0.17dB Typical, 0.35dB Maximum
Connector Return Loss	>20dB	>55dB

## Fanout Connector Performance

<b>Multimode</b>		62.5/125 $\mu\text{m}$ and 50/125 $\mu\text{m}$ @ 850nm					
Connector	Insertion Loss (dB)		Reflectance (dB)		Durability	Ferrule Material	Housing Material
	Typical	Max					
FCpc	0.2	0.4			< 0.2dB	Ceramic	Metal Alloy
LC	0.2	0.4			< 0.2dB	Ceramic	Composite
LC Duplex	0.2	0.4			< 0.2dB	Ceramic	Composite
MTRJ	0.3	0.4			< 0.2dB	Ceramic	Composite
SCpc	0.2	0.4			< 0.2dB	Ceramic	Composite
STpc polybody	0.2	0.4			< 0.2dB	Ceramic	Composite
STpc metal	0.2	0.4			< 0.2dB	Ceramic	Metal Alloy
<b>Single-mode</b>		@ 1310nm					
Connector	Insertion Loss (dB)		Reflectance (dB)		Durability	Ferrule Material	Housing Material
	Typical	Max	Typical	Max			
FCupc	0.2	0.4	$\leq -59$	$\leq -55$	< 0.2dB	Ceramic	Metal Alloy
FCapc	0.2	0.4	$\leq -68$	$\leq -65$	< 0.2dB	Ceramic	Metal Alloy
LC	0.2	0.4	$\leq -58$	$\leq -55$	< 0.2dB	Ceramic	Composite
LC Duplex	0.2	0.4	$\leq -58$	$\leq -55$	< 0.2dB	Ceramic	Composite
MTRJ	0.3	0.4	$\leq -53$	$\leq -40$	< 0.2dB	Composite	Composite
SCupc Duplex	0.2	0.4	$\leq -59$	$\leq -55$	< 0.2dB	Ceramic	Composite
SCupc	0.2	0.4	$\leq -58$	$\leq -55$	< 0.2dB	Ceramic	Composite
SCapc	0.2	0.4	$\leq -68$	$\leq -65$	< 0.2dB	Ceramic	Composite
STupc polybody	0.2	0.4	$\leq -58$	$\leq -55$	< 0.2dB	Ceramic	Composite
STupc metal	0.2	0.4	$\leq -58$	$\leq -55$	< 0.2dB	Ceramic	Metal Alloy

*Durability - insertion loss change for 500 reconnections.*

## Physical Information

