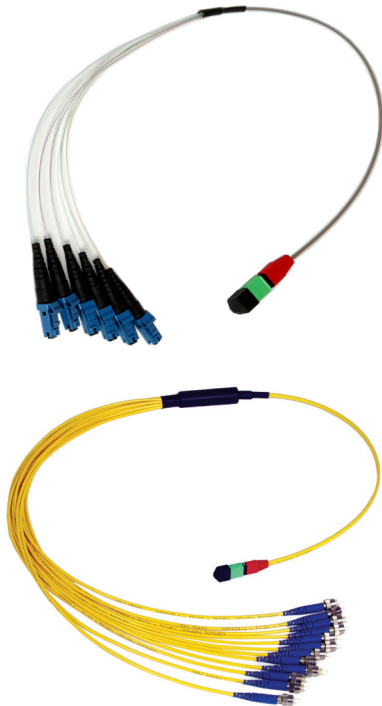




MTP® Fan-Out Assemblies

Fiber Connections' fan-out assemblies are custom made, based on individual customer requirements. Fan-outs are available in a wide variety of fiber types and with various connector configurations. These assemblies are made to order and 100% tested. Each assembly is packaged individually, with test results included. These high quality fan-out assemblies are available in custom lengths up to 2 meters (for any length over 2 meters, please contact customer service). Fan-out legs can be 900µm, 2mm or 3mm diameter.



FEATURES/BENEFITS

- Factory terminated solution eliminates installation variability
- Standard or Elite, 12 or 24 fiber MTP® connector options
- Your choice of riser rated, indoor cables
- Quick to install – minimizing installation costs
- Pre-Tested - Guarantees insertion loss requirements
- Can be used with your choice of FDMs or adapter plates
- Any standard single fiber connector at the fan-out end

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ORDERING INFORMATION

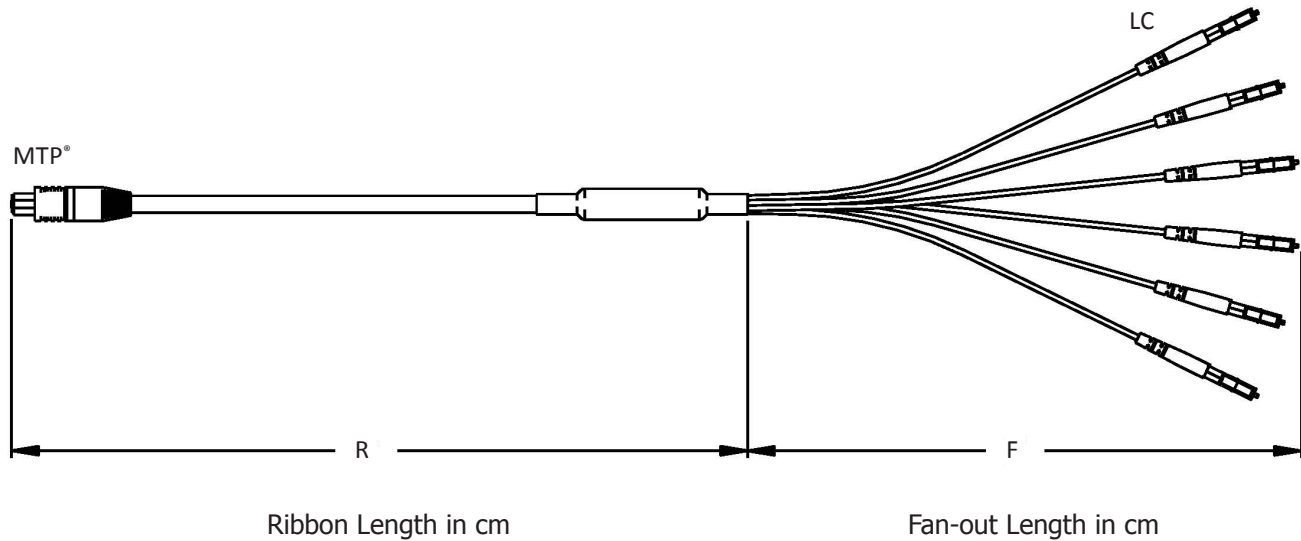
Cable Style		Ribbon Length	Fan-out Length	Fiber Count			
E	Bare Ribbon	Length of ribbon portion of assembly in cm	Length of fan-out portion in cm	02	2 fiber	10	10 fiber
F	Jacketed Cable			04	4 fiber	12	12 fiber
				06	6 fiber	18	18 fiber
				08	8 fiber	24	24 fiber

Fiber Type	MTP® Connector	Fan-out Type	Connector	
1	F Female	A 2mm Jacket	CC SC Dup w/clips	LU LC upc
2	M Male	K 3mm Jacket	CD SC upc w/clips	LZ LC apc
3	A Flat Female	L 900µm	CP SC	RJ MTRJ female
9	E Flat Male		CU SC upc	RM MTRJ male
	J Elite Female		CZ SC apc	SP ST polybody
	G Elite Male		FP FC	SU ST poly upc
A	P Flat Protruded		FU FC upc	TP ST metal body
	L Elite Ferrule		FZ FC apc	TU ST metal upc
	R Std Ferrule		LP LC	
	S 24f MTP(f)			
	T 24f MTP(m)			

M - **XXX** - - **XXX** -



PHYSICAL INFORMATION



TECHNICAL SPECIFICATIONS

Fiber Transmission Performance					
	Multimode				Single-mode
Fiber Type	62.5/125 μ m (850/1300nm)	50/125 μ m (850/1300nm)	50/125 μ m (850/1300nm)	50/125 μ m (850/1300nm)	Single-mode (1310/1383/1550nm)
ISO/IEC name	OM1	OM2	OM3	OM4	OS2
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.4/0.4/0.3*
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.65/0.5**
Minimum Over Filled Launch (OFL) Bandwidth (MHx•km)	200/500	700/500	1500/500	1500/500	- / - / -
Minimum Effective Modal Bandwidth (MHx•km)	220 / -	950 / -	2000 / -	5350+ / -	- / - / -
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



Characteristic	Multimode (at 850/1300nm)		Single-mode (at 1310/1550nm)	
MTP® Connector Insertion Loss	Typical 0.2 dB		Maximum 0.5 dB	
MTP® Connector Reflectance	< -20 dB		< -55dB (8° angled polish)	
Durability	500 Rematings: < 0.2 dB change		500 Rematings: < 0.3 dB change	
Operating Temperature ¹	Outdoor cable -40 °C to +70 °C; Indoor cable 0 °C to +70 °C			
Length	Length as defined in P/N, XX meters. Tolerance: < 5.0 meters +5/-0 cm; ≥ 5.0 meters +20/-0 cm Loose tube cables include a transition at one or both ends that is included in overall length.			
¹ Contact customer service representative to discuss exceptional environmental conditions				

Multimode	62.5/125 μm and 50/125μm @ 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
Single-mode	@ 1310nm						
Connector	Insertion Loss (dB)		Reflectance (dB)		Durability	Ferrule Material	Housing Material
	Typical	Max	Typical	Max			
FCupc	0.2	0.4	≤ -59	≤ -55	< 0.2dB	Ceramic	Metal Alloy
FCapc	0.2	0.4	≤ -68	≤ -65	< 0.2dB	Ceramic	Metal Alloy
LC	0.2	0.4	≤ -58	≤ -55	< 0.2dB	Ceramic	Composite
LC Duplex	0.2	0.4	≤ -58	≤ -55	< 0.2dB	Ceramic	Composite
MTRJ	0.3	0.4	≤ -53	≤ -40	< 0.2dB	Composite	Composite
SCupc Duplex	0.2	0.4	≤ -59	≤ -55	< 0.2dB	Ceramic	Composite
SCupc	0.2	0.4	≤ -58	≤ -55	< 0.2dB	Ceramic	Composite
SCapc	0.2	0.4	≤ -68	≤ -65	< 0.2dB	Ceramic	Composite
STupc polybody	0.2	0.4	≤ -58	≤ -55	< 0.2dB	Ceramic	Composite
STupc metal	0.2	0.4	≤ -58	≤ -55	< 0.2dB	Ceramic	Metal Alloy
<i>Durability - insertion loss change for 500 reconnections.</i>							