



Trunk Cable Assemblies

Fiber Connections Inc. offers multi-fiber cable assemblies that are terminated with a wide variety of connector styles on either single mode or multimode fiber. The cable assemblies we manufacture have been designed for use as pre-terminated backbones and our pigtails can be spliced at a cable demarcation point in order to transition from outdoor to indoor cable.

Custom assemblies are manufactured to meet the strictest quality requirements and are available in any length and with any style cable and connector required.



FEATURES/BENEFITS

- Fiber Counts from 2 to 144
- Any loose tube or tight buffered cable type
- Available in custom lengths and w/ custom break-out requirements
- All connector types including, ST, SC, FC, LC, MTP...
- 100% optical testing
- Pulling eyes installed on request
- Interferometer data available upon request

ORDERING INFORMATION

Fiber Type		Cable Type		Cable Rating		Fanout Size		Length in Meters	
1	62.5/125 μm OM1	B	Breakout	R	Riser	2	2mm	CA [] [] [] [] [] [] [] [] [] [] -XX- []	
2	Single-mode OS2	D	Distribution	P	Plenum	3	3mm		
3	50/125 μm OM2	J	Figure 8 cable	A	Armored, unrated	8	Corning		
9	50/125 μm 10 GbE 300m OM3	R	Ribbon - interconnect (flat)	B	Armored, riser	9	900μm		
A	50/125 μm 10 GbE 550m OM4	L	Loosetube	C	Armored, plenum				
		F	Indoor/Outdoor	N	Non-armored				
		H	Ribbon distribution (round)						
		T	Tactical						

Fiber Count				Connector #1				Connector #2				# of Pulling Kits	
02	2 Fiber	36	36 Fiber	CC	SC Duplex w/clips	LU	LCupc Duplex w/clips	CC	SC Duplex w/clips	LU	LCupc Duplex w/clips	0	None
04	4 Fiber	72	72 Fiber	CD	SCupc Duplex w/clips	LZ	LCapc Duplex w/clips	CD	SCupc Duplex w/clips	LZ	LCapc Duplex w/clips	1	1 Installed
06	6 Fiber	96	96 Fiber	CP	SC	RJ	MTRJ male	CP	SC	RJ	MTRJ male		
08	8 Fiber	D2	120 Fiber	CU	SCupc	RM	MTRJ female	CU	SCupc	RM	MTRJ female		
10	10 Fiber	D3	132 Fiber	CZ	SCapc	SP	ST polybody	CZ	SCapc	SP	ST polybody		
12	12 Fiber	D4	144 Fiber	FP	FC	SU	STupc polybody	FP	FC	SU	STupc polybody		
18	18 Fiber	D5	216 Fiber	FU	FCupc	TP	ST metal body	FU	FCupc	TP	ST metal body		
24	24 Fiber			FZ	FCapc	TU	STupc metal body	FZ	FCapc	TU	STupc metal body		
				LP	LC Duplex w/clips			LP	LC Duplex w/clips	00	Pigtail		

A wide variety of specialty connectors and custom cables are readily available through your customer service representative.



TECHNICAL SPECIFICATIONS

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>							



TRANSMISSION PERFORMANCE

	Multimode				Single-mode
Fiber Type	62.5/125µm (850/1300nm)	50/125µm (850/1300nm)	50/125µm (850/1300nm)	50/125µm (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 Mod- al 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
* including ALTOS®, SST-Drop™, SOLO®, SST-Ribbon™, Industrial LSZH™, Mining and Petrochemical, FREEDM® LST™ FREEDM® Loose Tube, FREEDM® Ribbon, MIC® 250, Ribbon, LSZH™ Ribbon (Registered trademarks of Corning Cable Systems LLC)					
** including Tactical, FREEDM® Fan-Out, FREEDM® ONE, MIC® various, Fan-Out, Single-Fiber, Zipcord 2-Fiber, Ribbon Interconnect					
Other cable types and manufacturers also available.					
Please contact customer service for additional information.					