

MPO/MTP FIBER CABLE ASSEMBLIES

DESCRIPTION

As datacom technology migrates to a higher speed, it is often necessary to transit from conventional discrete connectors to higher channel count 12-fiber or 24-fiber MPO/MTP connectors to connect the increasing higher data rates transceivers with higher port density. MPO/MTP optical fiber cable assembly is an excellent solution to address the need in the data traffic and port density continuous increment in data communications industry.

Available options are MPO/MTP to MPO/MTP, LC, ST, FC, LC, MU, ST and E2000 cable assemblies with PC, UPC and APC single mode or multimode end-face polishes.

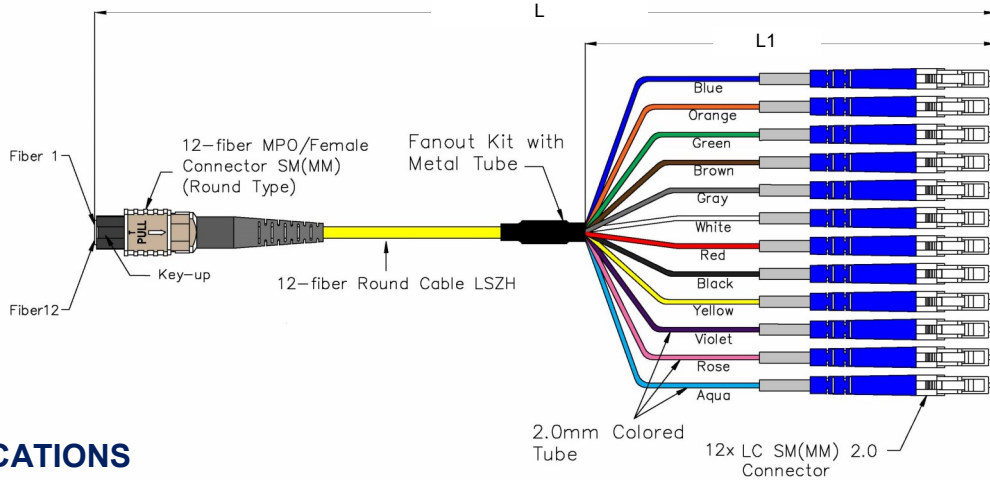
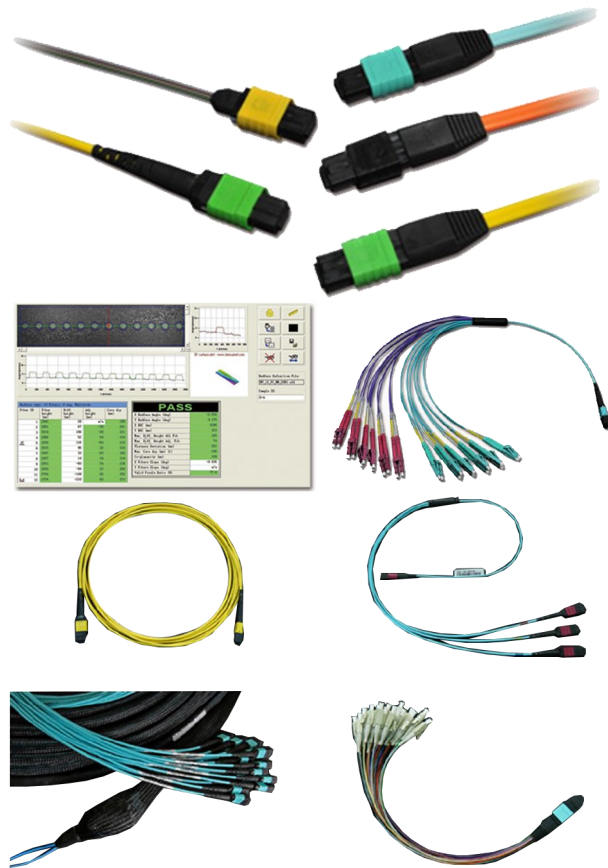
The fan-out or breakout cables variations include 8, 12 and 24 MPO/MTP fiber connectors which are ideal for patch panels connection and data distribution routing.

FEATURES

- Compliant with IEC61754 , IEC61755 & GR-1435-CORE
- Multi-fiber termination options of 8, 12 & 24 fibers
- Precision multi-fiber MT ferrule
- Push-pull latching
- Bare & Ruggedized Ribbon and Mini Round Cable
- 100% optically tested to ensure reliability and performance

APPLICATIONS

- Trunk backbone to racks
- Data switches and routers
- Data Centers
- Servers
- Test equipment



SPECIFICATIONS

MPO/MTP Connector		Standard SM MT Ferrule	Low Loss (Elite) SM MT Ferrule	Standard MM MT Ferrule	Low Loss MM MT Ferrule
Insertion Loss (dB)	Typical	0.35	0.20	0.35	0.20
	Maximum	0.75	0.35	0.60	0.35
Return Loss (dB)		≥60 for APC (8° Angle Polish)		≥20 for PC	
		≥50 for PC		--	
Male/Female		Male: With Pins, Female: Without Pins			
Tensile Strength (dB)		≤0.3 (Max 66N)			
Vibration (dB)		≤0.3 (10 ~ 55Hz)			
Thermal Cycle (dB)		≤0.3 (-40 ~ 75°C, 21Cycles)			

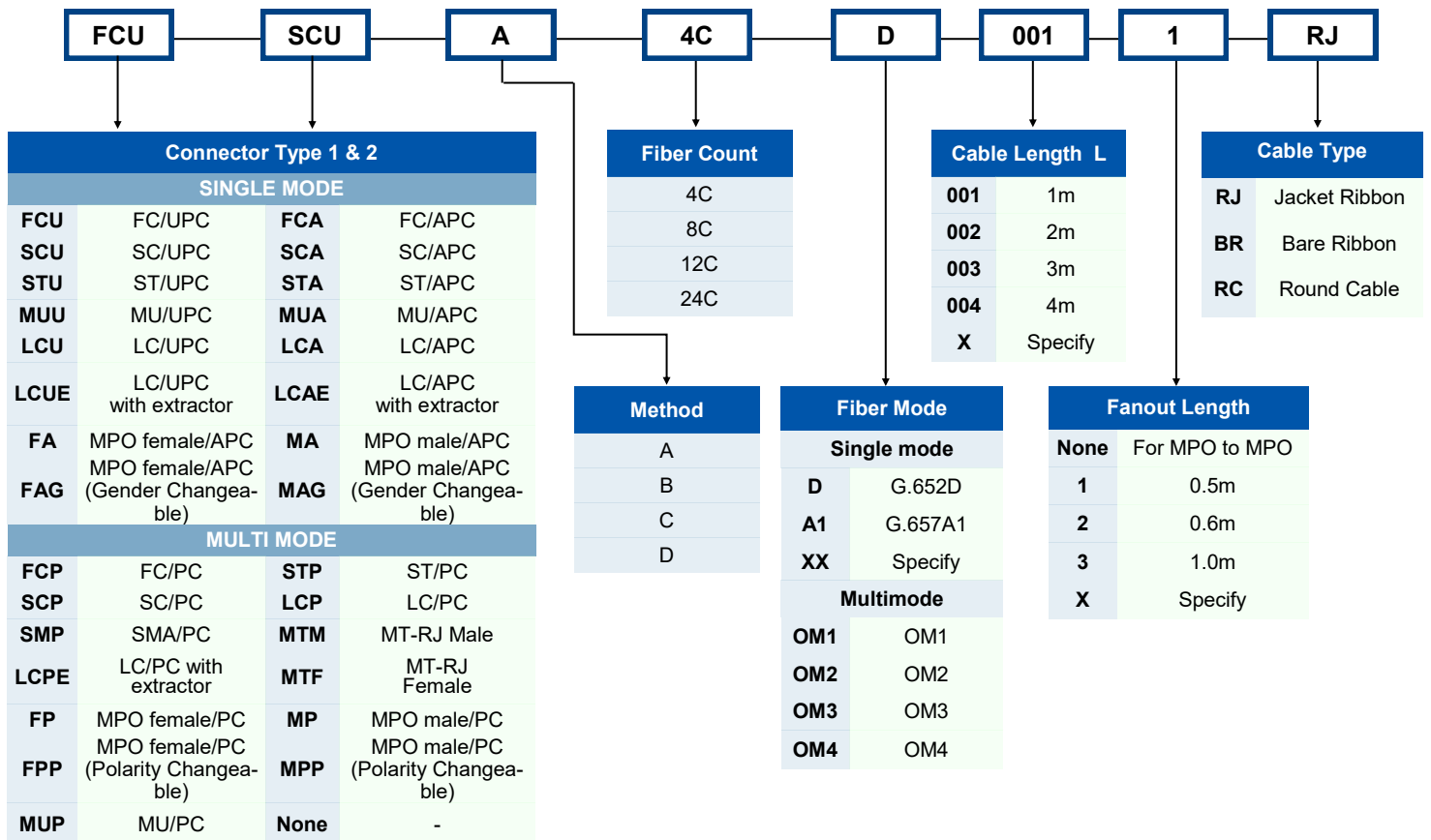
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Geometric Parameters of End-face

Fiber Mode	SM	MM
RX (mm)	≥ 2000	
RY (mm)	≥ 5	
Fiber Height (nm)	1000 ~ 3500	
Max. Diff. Height All (nm)	≤ 500	
Max. Diff. Height Adj. (nm)	≤ 300	
X Axis Angle (°)	-0.2 ~ 0.2	
Y Axis Angle (°)	PC: -0.2 ~ 0.2 APC: 7.8 ~ 8.2	-0.2 ~ 0.2
Core Dip (nm)	N/A	-100 ~ 200

ORDERING INFORMATION

EXAMPLE : FCUSCUA4CD0011RJ



Note : Specifications are subject to change without prior notice