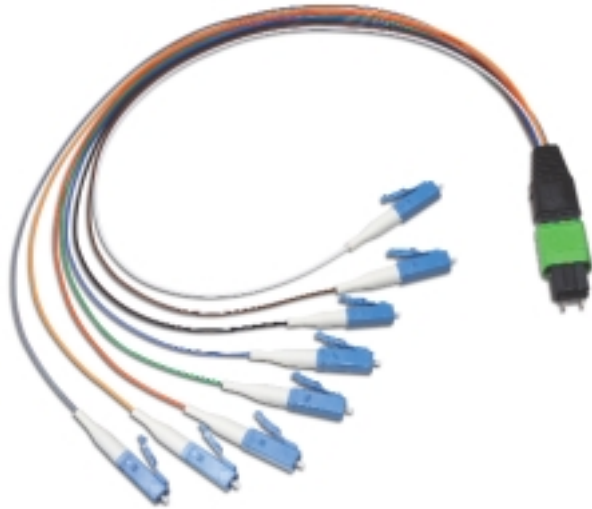


MTP® FANOUT HARNESS ASSEMBLIES



Stratos Lightwave offers pre-terminated and optically tested MTP Fanout Harness Assemblies. Harness assemblies are specifically designed to interface single channel transmit and receive devices to a multi-fiber backplane cable routing system. MTP fanout harnesses can be ordered to any length and fanned out to a variety of industry connector types, adapting to any style of transceiver interface. The MTP connector is an ultra compact multi-fiber array connector available in both singlemode and multimode versions. Built around industry proven MT ferrule technology, the MTP provides high performance and reliable interconnections. Stratos Lightwave manufactures all the MTP cable assemblies to meet industry requirements and specifications.

Benefits

- Multiple Fiber Interface
- Easy Upgrading to Higher Fiber Counts
- Reliable Multiple Fiber Interconnection
- Reduces Overall System Cost
- Eliminates Space Constraints

Features

- 1-24 Fiber Fanout
- Singlemode or Multimode (50/125, 62.5/125)
- Fanout to LC, SC, ST, FC, MU or MT-RJ
- Low-Loss Version Available
- Stainless Steel Alignment/Guide Pins
- Utilizes Proven MT Ferrule Technology

Applications

- Optical Backplane
- Parallel Processing
- Optical Switches
- Optical Cross Connects
- Optical Circuits

Materials

- **MTP Grip Housing:** Thermoplastic (VO Rated)
- **MTP Ferrule:** Reinforced Thermoplastic
- **Strain Relief Boot:** Thermoplastic Rubber (VO Rated)
- **Crimp Sleeve:** Copper, Tin Plated
- **Fiber:** 9/125, 50/125, 62.5/125

Performance

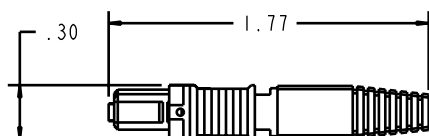
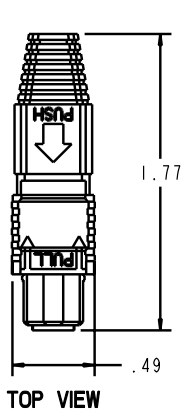
	Singlemode (8° APC)	Multimode
• Insertion Loss		
Standard Models, Typical	.035dB	.035dB
Standard Models, Max.	1.0dB	1.0dB
Low-Loss Models, Typical	.025dB	—
Low-Loss Models, Max.	.05dB	—
• Return Loss, Min.	45dB	—
• Durability, ≤ 0.3dB Change	500 mating cycles	
• Vibration, ≤ 0.3dB Change	10 to 55 Hz	
• Temperature, Storage	-40°C to +80°C	
• Temperature Cycling, ≤ 0.3dB Change	-40°C to +80°C	
• Thermal Aging, ≤ 0.3dB Change	14 days @ +85°C	
• Humidity, ≤ 0.3dB Change	95% Rh @ +60°C	

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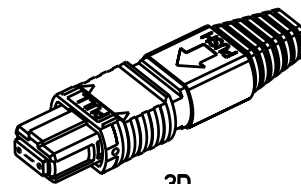
MTP® FANOUT HARNESS ASSEMBLIES



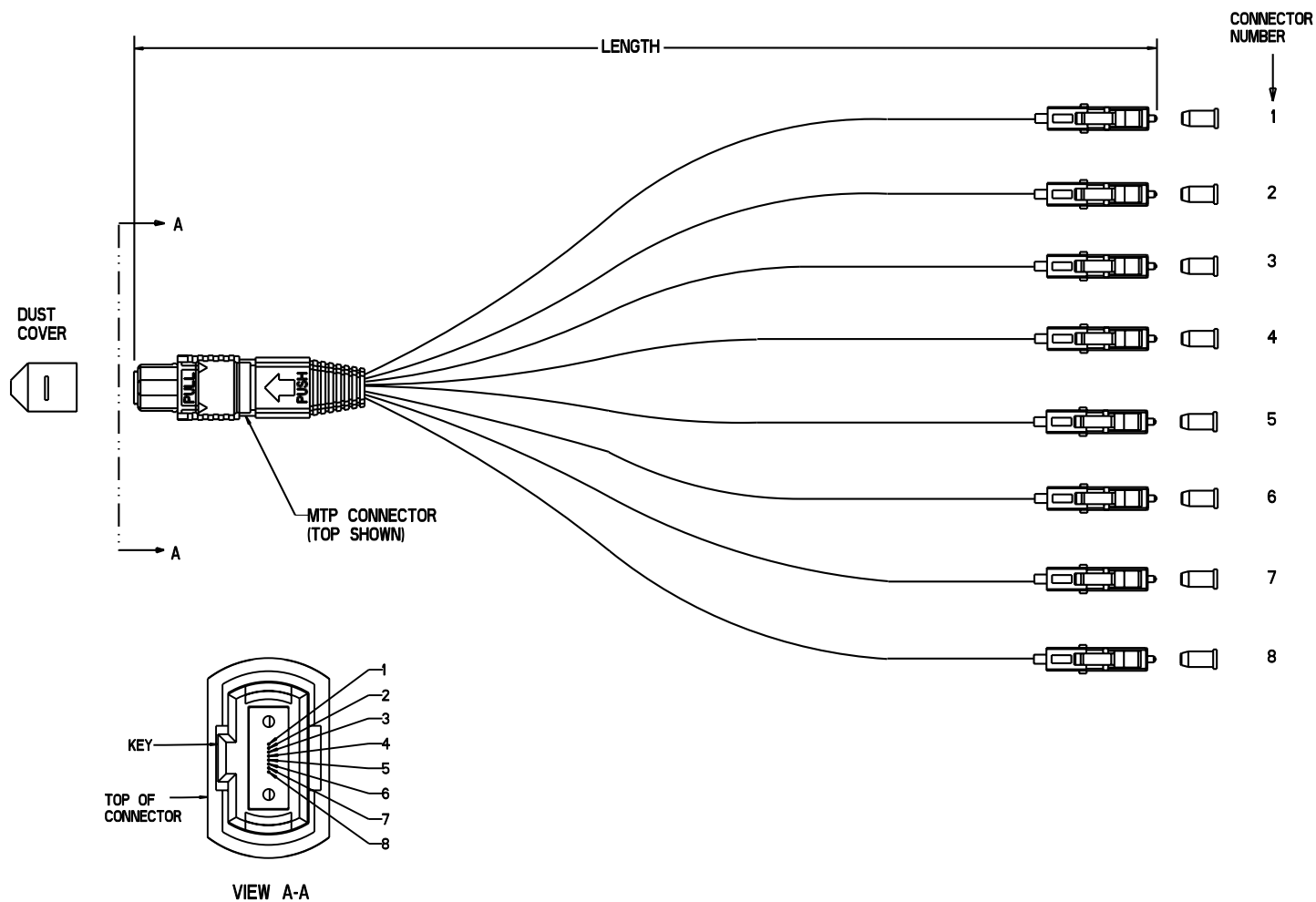
RIGHT VIEW



FRONT VIEW



3D



MTP Harness Assembly

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