

MPO Fibre Optic Ribbon Connectors

Multi-fibre Push On connectors

TechOptics



The singlemode or multimode MPO products available from SENKO are multifiber connections used in high-density backplane and Printed Circuit Board (PCB) applications in data and telecommunications systems. The MPO connector offers up to 12 times the density of standard connectors, providing significant space and cost savings.

MPO connectors utilize precision molded MT ferrules, with metal guide pins and precise housing dimensions to ensure fiber alignment when mating. The MPO can be mass terminated in combinations of 4, 8, or 12 fiber ribbon cables. The MPO Adapter comes standard in black.

Features

- Precision moulded MT ferrule
- High precision guide pins for exact alignment
- Compact design, up to 24 fibre ribbons
- IEC 61754-7 Compliant
- Telcordia GR-1435-CORE compliant
- Polishing does not require diamond film

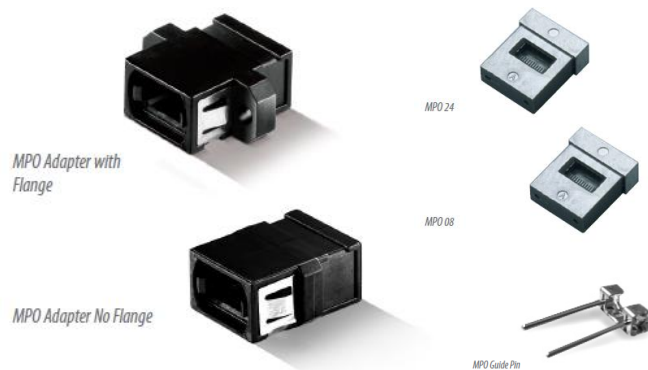
SPECIFICATION	SM STANDARD		SM SUPER LOW LOSS		MM STANDARD		MM SUPER LOW LOSS	
	Typical	Max	Typical	Max	Typical	Max	Typical	Max
For MPO								
Insertion Loss	0.25dB <i>(all fibers)</i>	0.7dB <i>(single fiber)</i>	0.1dB <i>(all fibers)</i>	0.35dB <i>(single fiber)</i>	0.20dB <i>(all fibers)</i>	0.40dB <i>(single fiber)</i>	0.08dB <i>(all fibers)</i>	0.25dB <i>(single fiber)</i>
Return Loss	60dB (8° Polish)		60dB (8° Polish)		25dB (Flat Polish)		25dB (Flat Polish)	
Durability	<0.30dB change 500 matings <i>(per EIA-455-21A)</i>		<0.30dB change 500 matings <i>(per EIA-455-21A)</i>		<0.20dB change 1000 matings <i>(per EIA-455-21A)</i>		<0.20dB change 1000 matings <i>(per EIA-455-21A)</i>	
Operating Temperature	-40°C ~ +75°C							
Ferrule type available	4, 8, 12, 24		8, 12		4, 8, 12, 24		8, 12	

Note: SM Standard 24 fiber Typical 0.5dB and Max 1.0dB
MM Standard 24 fiber Typical 0.2dB and Max 0.6dB
For MM Super Low Loss, SM pin (PN PCSM) to be used to guarantee IL Value

Note: Above value is when terminated using SENKO recommended procedures

Applications

- Parallel optical interconnect between PC cards and patch panels
- Interconnection for O/E modules
- Optical Switch interframe connections
- Gigabit Ethernet
- CATV
- Video
- Active Device / Transceiver Interface
- Premise Installations
- Telecommunication Networks
- Multimedia
- Industrial & Military



For further information and to discuss your application please contact:-

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THE FIBRE OPTICS EXPERTS

Specifications subject to change without notice.

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ISO9001:2015
for the distribution
of fibre optic
products and the
manufacture of fibre
optic assemblies.



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