

MPO CONNECTOR SERIES

The singlemode and multimode MPO products available from SENKO are multifiber connectors 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.

APPLICATIONS

- Asynchronous Transmission Mode (ATM)
- Gigabit Ethernet
- CATV, Video and Multimedia
- Active Device/Transceiver Interface
- Premise Installations
- Telecommunication Networks
- Industrial & Military
- Parallel optical interconnect between PC Cards and patch panels
- Interconnection for O/E modules
- Optical Switch interframe connections

FEATURES

- Precision molded MT ferrule
- High precision guide pins for exact alignment
- Compact design, up to 12 fiber ribbons
- IEC 61754-7 Compliant*
- Telcordia GR-1435-CORE compliant*
- Polishing does not require diamond film

*When terminated using SENKO recommended procedures.

SPECIFICATIONS

PERFORMANCE	SINGLEMODE	SINGLEMODE LOW LOSS	MULTIMODE
Insertion Loss	0.25dB Typical (all fibers) 0.75dB Maximum (single fiber) ¹	0.1dB Typical (all fibers) 0.35dB Maximum (single fiber) ¹	0.20dB Typical (all fibers) 0.50dB Maximum (single fiber) ²
Return Loss	≥55dB (8° Angle Polish)	≥55dB (8° Angle Polish)	>25dB
Durability	<0.30dB change 500 matings (per EIA-455-21A)	<0.30dB change 500 matings (per EIA-455-21A)	<0.20dB change 1000 matings (per EIA-455-21A)
Operating Temperature	-40°C ~ +80°C		

¹ As tested per ANSI/EIA 455-171 Method D3. ² As tested per ANSI/EIA 455-171 Method D1.



MPO Female Connector
Multimode



MPO Female Connector
Singlemode



MPO with Ribbon Fiber Boot
Singlemode



MPO Male Connector
Singlemode Low Loss

ORDER CODE (MPO CONNECTORS)

CODE	HOOK COLOR	BOOT
701 Male	1 Green (SM)	1 Ribbon Fiber
702 Female	3 Beige (MM 62.5/125)	2 Ruggedized Cable
	4 Yellow (SM Low Loss)	

Custom configurations available upon request.

CONTACT SENKO Advanced Components

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Specifications may change without notice.