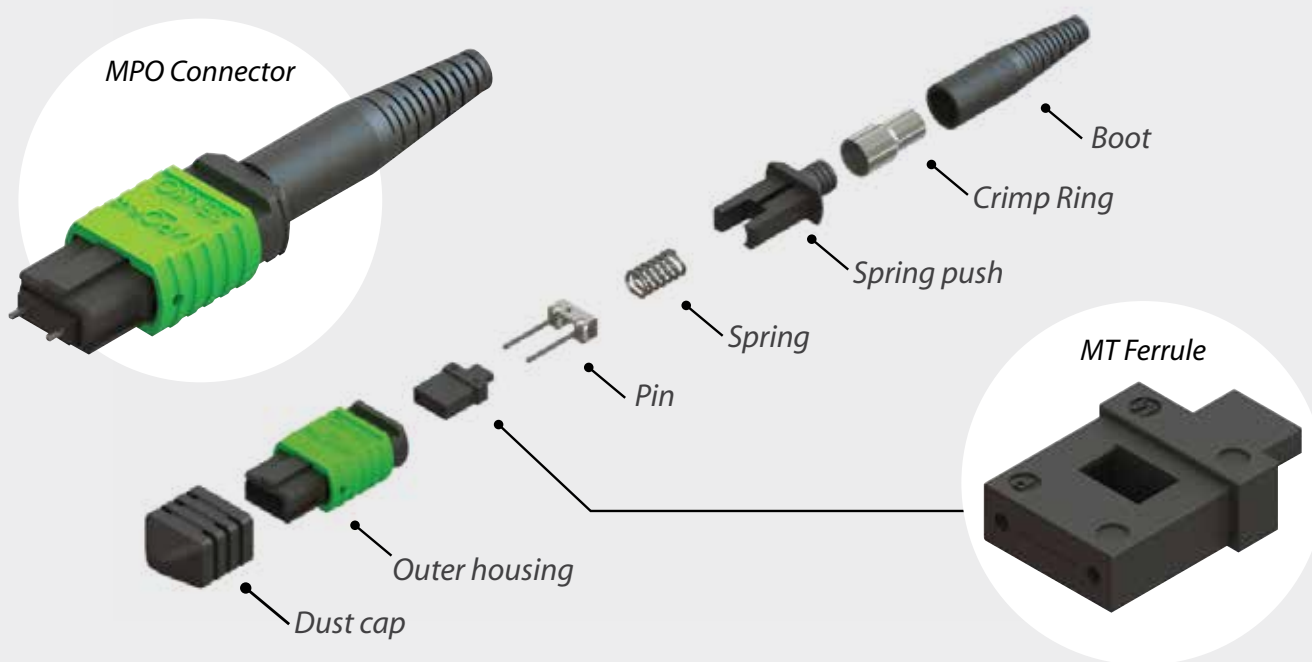


What is a MPO?

MPO is an industry term to describe a multi-fiber Push On style connector.

By definition, the MPO is a multi-fiber connector (a single connector that houses multiple fiber terminations) that is defined by **IEC-61754-7**, "Fiber optic interconnecting devices and passive components – Fibre optic connector interfaces - Part 7: Type MPO connector family"; and **TIA-604-5-D**, "Fiber Optic Connector Intermateability Standard, Type MPO"



The connector concept was originally designed by NTT Group and finite number of manufacturing licenses were subsequently issued. Senko is among these licensee's. There are several variants of MPO compliant connectors in the markets such as the MTP® connector*.

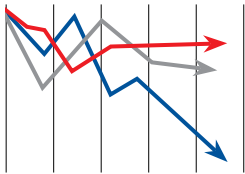
The MPO's rise in popularity stems from its unique ability to mate multiple fibers (2-72 fibers) within a single connector body housing therefore significantly reducing space. The connector's general design also has unique features from conventional connectors such as being rectangular in shape. It utilizes guide pins and precision holes for ferrule to ferrule alignment within the adaptor as opposed to a precision alignment "sleeve" used in conventional adaptors and the ferrule (MT) is made from a monolithic, high precision glassed filled polymer as opposed to a ceramic material.

Whereas most MPO's supplied in the market today continue from the original design parameters, Senko's MPO Plus Series of enhanced MPO style connectors has taken a leadership role in refining and optimizing the original product in the areas of mechanical durability, product features and most importantly the optical performance of the MT ferrule itself.

*MTP is a registered trademark of US Conec Ltd

Key improvements made in the MPO Plus

Low Insertion Loss Ferrule



- Industry's lowest insertion loss.
- MAX 0.25dB and a typical lower than 0.1dB on both SM Low Loss and MM Low Loss ferrule

Designed to Pass GR 1435



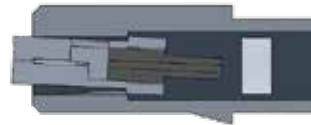
Mechanically stronger, meets and exceeds Telecordia GR-1435

Removable Housing



The removable housing makes it easy to change gender or to clean ferrule

Free Floating Ferrule



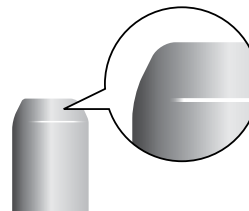
A free floating ferrule design to maintain optical connection during mechanical side-pull forces

Advanced Metal Pin



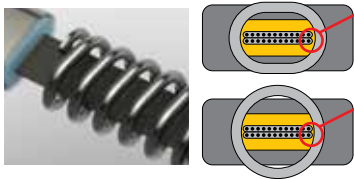
SENKO's stainless steel guide pins are manufactured to the tightest specification, allowing precise alignment of the ferrule

Chamfer Guide Pin



Rounded chamfer on the Guide pin that reduces guide hole chipping thus helping to maintain precise alignment

Improved Spring Design



SENKO's enhanced oval spring provides more ribbon clearance and enhances mechanical performance

Conventional round spring allows less ribbon clearance; limits mechanical performance

Several Boot Options



Boots are available for Ribbon Cable, Ribbon fiber, Round boot and the patent SENKO Flex Angle boot.

2pc Back Post



2pc back post and other enhancement allows easier termination

