



MPO Connector Solution Guide



AFL MPO Connector

Working with our grandparent company, Fujikura, a pioneer and innovator of fiber technology, we have created the ultimate, optimized, MPO connector.

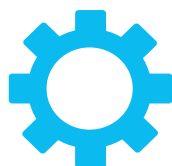
At the heart of the connector is the most advanced Fujikura MT ferrule, providing ultimate precision and environmental flexibility for your high-speed, high-performance network.

Using our extensive expertise, we designed the rest of the MPO connector around the ferrule, focusing on simplicity to ensure maximum reliability.

Our MPO connector addresses the needs of our customers, providing an effective, no-fuss, high-performance, highly reliable MPO connector to support their critical networks.



**High
Performance**



**Flexible
Configurations**



**Easy
Migration**



**Quick
Installation**



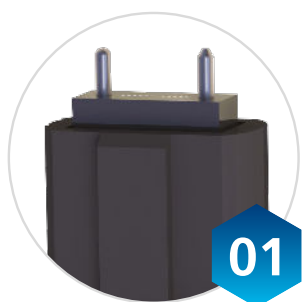
Scalability



**Short
Lead Times**

MPO Connector

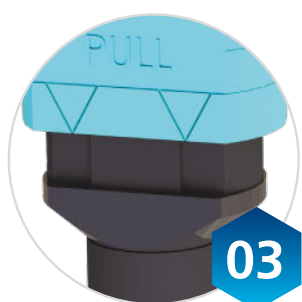
Features



MPO connectors are available pinned or unpinned. Our guide-pin profile improves guidance, gives an even more secure mating, and also reduces the risk of pin hole damage and end face scratches.



A floating MT ferrule provides space for self-adjustment, improving mechanical performance when two connectors mate.



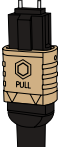
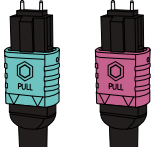


Flat ribbon cable is rarely used in multi-fiber assemblies, meaning oval-shaped springs should no longer be the default. A round spring is far better suited for today's cable constructions, providing better protection for the fibers.



The AFL MPO Connector can be terminated on a variety of different cable constructions depending on your application including MicroCable, Loose Tube Cable, and the ground-breaking ultra-high fiber core count Fujikura SpiderWeb Ribbon® (SWR®) cable.



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	MM Standard	MM Premium	SM Standard	SM Premium
Insertion Loss (Maximum)	0.6 dB	0.35 dB	0.75 dB	0.35 dB
Return Loss (Minimum)	20 dB	20 dB	60 dB	60 dB

Does the MPO still mate with MTP®?

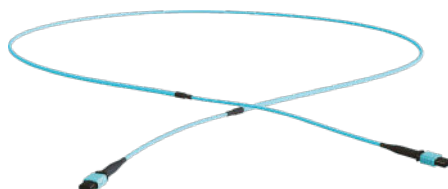
Both the AFL MPO and MTP® are fully intermateable and compliant to TIA/EIA-604-5 (FOCIS-5).

What assemblies are compatible with the MPO connector?

The AFL MPO connector is available across all 8 and 12 fiber connector assemblies. Contact us for more information on 16 and 24 fiber MPO connectors.



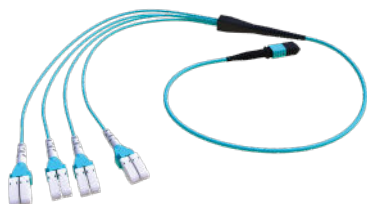
12 fiber 3mm Trunks



12 fiber 4.5mm Trunks



QSFP+ 3:2 MPO Transition Assembly



QSFP+ to SFP Assemblies



Fan-Out Assemblies



MPO High Fiber Count Assembly



Founded in 1984, AFL is an international manufacturer providing end-to-end network solutions to the energy, service provider, enterprise, hyperscale and industrial markets. The company's products are in use in over 130 countries and include fiber optic cable, assemblies, and hardware, transmission and substation accessories, outside plant equipment, connectivity, test and inspection equipment, fusion splicers, and training. AFL also offers a wide variety of services supporting data center, enterprise, wireless and outside plant applications.

Headquartered in Spartanburg, SC, AFL has operations in the U.S., Mexico, Canada, Europe, Asia and Australia, and is a wholly owned subsidiary of Fujikura Ltd. of Japan.