MPO Optical Fiber Connector

The MPO connector is the latest development of the now legendary MT ferrule. This amazing technology is at the heart of many state of the art connectors. The SofeTEK range of SofeTEK MPO connectors are capable of connecting between 4 and 12 fibers. The next generation of this ferrule will be used to terminate up to 72 fibers in a single connector. This allows totally new designs of fiber distribution, using densities unheard of before now.

The SofeTEK version of this interface is the market leader in this new and exciting field of optical fiber termination. Manufactured by SofeTEK in our ISO 9001 approved facilities the MPO connectors give the user total flexibility in the design of their backbone, reducing costs and keeping distribution space to a minimum.

As the use of pre-terminated fiber cables grows, the MPO provides the perfect solution to the ever-present problem of protecting the terminated fibers. The small size of the MPO allows pre-terminated fiber cable to be fed through the smallest holes, making the installation benefits of pre-terminated fiber even greater.

The high density MPO connector allows the simple termination of the fiber backbone. Once installed the backbone needs to have the correct interface to suit the needs of the network hardware. Using the MPO connector on pre-terminated fiber solutions, allows you to prepare the distribution units in the comfort of your own workshop. This can be taken a step further by having the distribution cabinets built in a clean facility and only taken to site when the installation is due to go live. This saves time and reduces the possibility of damage to the fragile optical tails and reduces the risk of dirt ingress into Fiber couplers.

The SofeTEK MPO is the answer to tomorrows problems with pre-terminated fiber cable, but available from SofeTEK today.
SoFEtek Optical Fiber Connector

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The MPO connectors are a very high-density small form factor connector, designed to simplify the process of pre-termination of backbone cables and reduce the space required in the distribution panels. SoFEtek has a full range of tools and products to assist you with the termination of the MPO connector. For those who prefer to purchase a full pre-terminated system, SoFEtek can supply all your needs. For full information on the full range of SoFEtek MPO products and tooling, please contact the address below for a data sheet.

Features
MT based Multi-fiber Connector up to 12 fibers
Very high density connector
Reliable quality supported by more than 15 years of SoFEtek experience
Ordering Information:
Product Packaging
Each connector kit is individually packaged

Intermateability
Optically and mechanically compatible with all equivalent connectors.
Compliant with IEC 61754-7.
Fiber Type: 9/125SM, 50/125MM, 62.5/125MM
Fiber Count available: 4, 8, 12
Polishing: Angled PC or Flat PC
Insertion Loss (With master plug)
Standard Loss: =0.75dB
Low Loss: =0.35dB
Return Loss: =55dB
Cable Type: Fiber Ribbon, Ribbon Cord
Adapter Bulkhead: Simplex
Back plane: Simplex, Quad

Vibration (Mated Pair):
(IEC 61300-2-1)
10-55 Hz, 1.5mm P to P
=0.3dB Change

Mating Durability:
(IEC 61300-2-2)
1000 mating cycles
Clean every 25
< 0.2 dB Change

High Temperature:
(IEC 61300-2-18)
75°C for 96 hours
=0.2dB Change

Damp Heat:
(IEC 61300-2-19)
60°C at 95% RH, 96 hours
=0.2dB Change

Temperature Cycling
(IEC 61300-2-48)
-40 to +75°C, 40 cycles
=0.2dB Change

Operating Temperature
-40°C to +85°C