

# MPO Assemblies

MPO assemblies are becoming increasingly popular due to the high density applications in the marketplace. Amphenol's MPO assemblies are offered in different cable styles for various space requirements. Amphenol's MPO connectors meet TIA/EIA 604-5 and IEC 61754-7 industry standards. MPO assemblies are wired to Method B connection per TIA 568-C.3 and are RoHS compliant. Other wiring configurations available. Please contact Amphenol for assistance with configuring the required cable assembly for your specific needs.

Fiber Options: Eight, Twelve, & Twenty-Four Fiber Configurations

Fiber Types: Single Mode OS1/OS2 & Multimode OM1, OM2, OM3, and OM4

Fiber Construction: Ribbon, Round and Custom Trunk Configurations

Boot Options: Flex Boots, 90 or 45 Degree Angled Boots

Accessories: MPO Pull tab



MPO with flex boot and standard short boot option



MPO Pull Tab

## Product Specifications:

| Parameter       | Specification                       |
|-----------------|-------------------------------------|
| Insertion Loss: |                                     |
| 12F Multimode:  | $\leq 0.5\text{dB}$ typical         |
| 12F Singlemode: | $\leq 0.75\text{dB}$ typical, Angle |
| Return Loss:    |                                     |
|                 | Singlemode(APC) $\leq -55\text{dB}$ |



# MPO Assemblies

## Ordering Information:

| 3mm MPO (F) Cable assemblies |                                                                    | Cable construction | Wiring Configuration |
|------------------------------|--------------------------------------------------------------------|--------------------|----------------------|
| Part #                       | Description                                                        |                    |                      |
| 943-99683-10001              | Jumper, MPO(F), 12F 3mm Round, OM3 w / pull tab, Type B wiring, 1m | 3.0mm round        | Method B             |
| 943-99683-10003              | Jumper, MPO(F), 12F 3mm Round, OM3 w / pull tab, Type B wiring, 3m | 3.0mm round        | Method B             |
| 943-99683-10005              | Jumper, MPO(F), 12F 3mm Round, OM3 w / pull tab, Type B wiring, 5m | 3.0mm round        | Method B             |
| 943-99684-10001              | Jumper, MPO(F)flex boot, 12F 3mm Round, OM3, Type B wiring, 1m     | 3.0mm round        | Method B             |
| 943-99684-10003              | Jumper, MPO(F)flex boot, 12F 3mm Round, OM3, Type B wiring, 3m     | 3.0mm round        | Method B             |
| 943-99684-10005              | Jumper, MPO(F)flex boot, 12F 3mm Round, OM3, Type B wiring, 5m     | 3.0mm round        | Method B             |
| 943-99685-10001              | Jumper, MPO(F)flex boot, 24F 3mm Round, OM3, Type B wiring, 1m     | 3.0mm round        | Method B             |
| 943-99685-10003              | Jumper, MPO(F)flex boot, 24F 3mm Round, OM3, Type B wiring, 3m     | 3.0mm round        | Method B             |
| 943-99685-10005              | Jumper, MPO(F)flex boot, 24F 3mm Round, OM3, Type B wiring, 5m     | 3.0mm round        | Method B             |
| 943-99692-10001              | Jumper, MPO(F), 12F 3mm Round, OM4 w / pull tab, Type B wiring, 1m | 3.0mm round        | Method B             |
| 943-99692-10003              | Jumper, MPO(F), 12F 3mm Round, OM4 w / pull tab, Type B wiring, 3m | 3.0mm round        | Method B             |
| 943-99692-10005              | Jumper, MPO(F), 12F 3mm Round, OM4 w / pull tab, Type B wiring, 5m | 3.0mm round        | Method B             |
| 943-99696-10001              | Jumper, MPO(F)flex boot, 12F 3mm Round, OM4, Type B wiring, 1m     | 3.0mm round        | Method B             |
| 943-99696-10003              | Jumper, MPO(F)flex boot, 12F 3mm Round, OM4, Type B wiring, 3m     | 3.0mm round        | Method B             |
| 943-99696-10005              | Jumper, MPO(F)flex boot, 12F 3mm Round, OM4, Type B wiring, 5m     | 3.0mm round        | Method B             |
| 943-99695-10001              | Jumper, MPO(F)flex boot, 24F 3mm Round, OM4, Type B wiring, 1m     | 3.0mm round        | Method B             |
| 943-99695-10003              | Jumper, MPO(F)flex boot, 24F 3mm Round, OM4, Type B wiring, 3m     | 3.0mm round        | Method B             |
| 943-99695-10005              | Jumper, MPO(F)flex boot, 24F 3mm Round, OM4, Type B wiring, 5m     | 3.0mm round        | Method B             |

### Amphenol

Amphenol is the world's leading interconnectivity provider. Founded in 1932, Amphenol designs, manufactures, and markets fiber optic, electrical, and coaxial interconnect products. Amphenol products are engineered and manufactured in the Americas, Europe, Asia, and Africa and offered through a worldwide sales and marketing organization.

### Experience

As a manufacturer with over 80 years of interconnect design and development, Amphenol leads innovation in connector technology. Utilizing this experience, Amphenol is able to develop a cost effective end-to-end solution to satisfy a customer's full connectivity and cabling needs.

### Reliability

Amphenol has a long history of total quality performance. Our high quality products, helpful customer service, and dependable product support from design through production result in satisfied customers.

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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