

MPO Breakout Patchcord

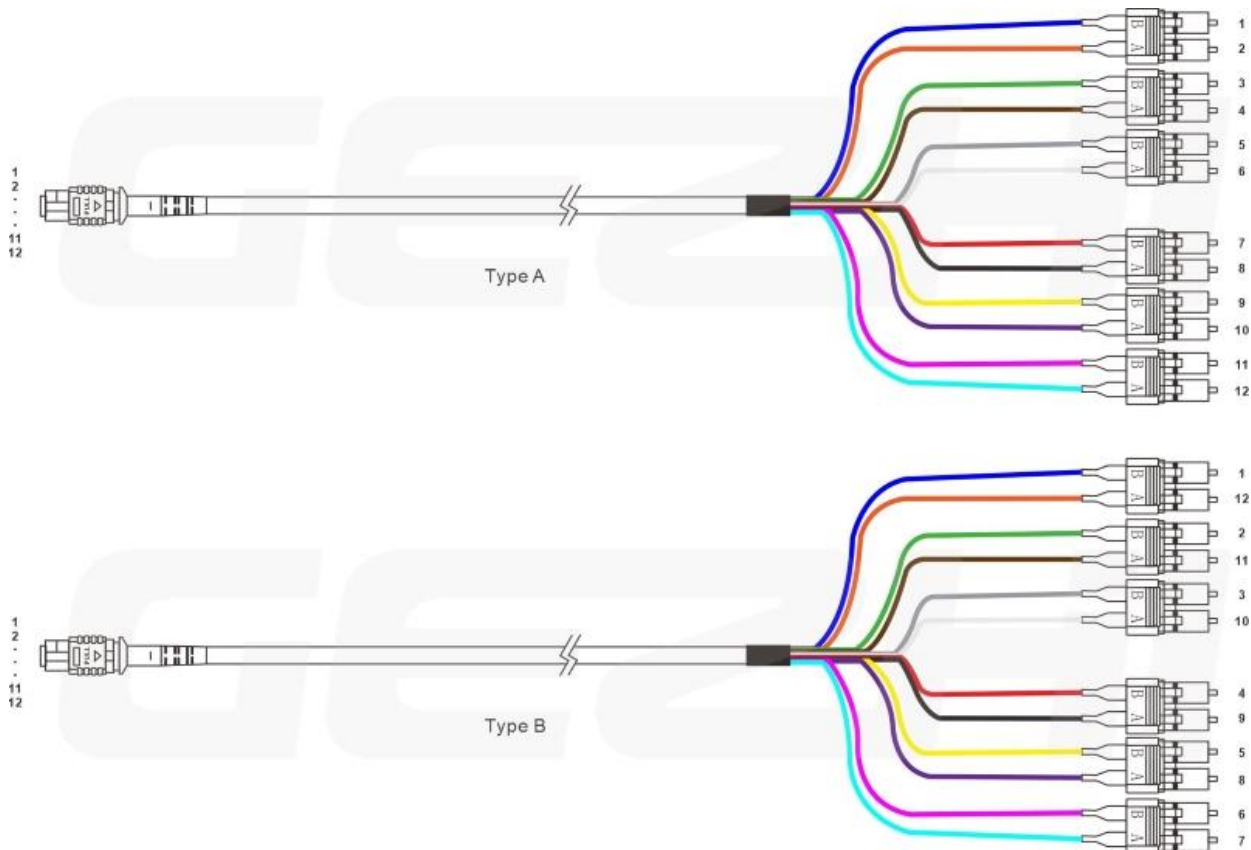
GEZHI Photonics manufactures data center grade fiber optic MPO patch cords. The MPO connector uses a spring loaded sliding mechanism allowing the fiber patch cord to latch onto adapters providing a secure and reliable connection for network cabling in enterprise data centers, backbone, colocation facilities, server farms, cloud storage networks, and telecommunication rooms. Each assembly is 100% factory tested to meet IEC 61753-1 standard.



1. Custom Polarity

To properly send data over fiber cable, a link's transmit signal (Tx) at one end of the cable must match the corresponding receiver (Rx) at the other end. And the role of polarity, which defines the direction that the signal travels, is to make sure that this correspondence is maintained. Fiber polarity is one area that seems to cause a lot of confusion in our industry – especially when it comes to multifiber MPO solutions used in parallel optic applications.

There are two different types of MPO cables – Type A and Type B as below pictures:



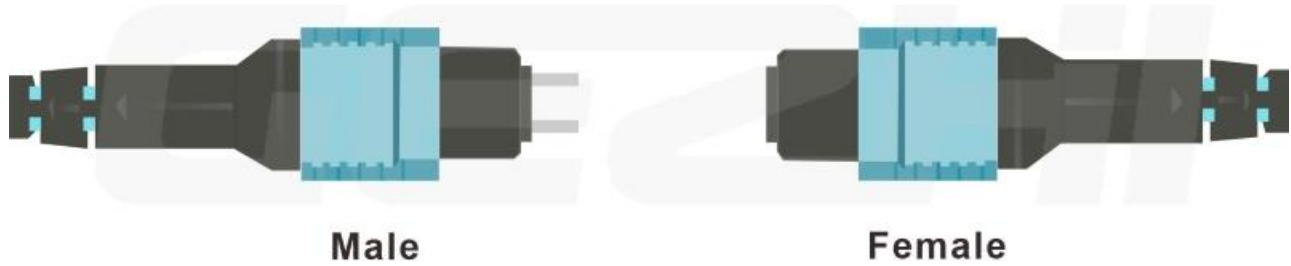
2. Custom Connectors

Male (with pins)

The male connector is mated to the female side for adapters, cassettes or panels connection.

Female (without pins)

The female connector can be directly connected to transceivers or other male connectors.



Specifications

| Performance Level | | | Standard | | Elite | |
|-------------------|------|---------|--------------|--------------|--------------|--------------|
| Connector | Mode | Endface | IL(max) (dB) | RL(min) (dB) | IL(max) (dB) | RL(min) (dB) |
| MPO | SM | 12F | ≤0.70 | ≥60 | ≤0.35 | ≥60 |
| | | 24F | ≤0.75 | ≥60 | ≤0.35 | ≥60 |
| LC/SC/FC/ST | SM | APC | ≤0.30 | ≥60 | ≤0.10 | ≥60 |
| | | UPC | ≤0.20 | ≥50 | ≤0.10 | ≥50 |

Ordering Information

| Type | Mode | Fiber Count | Polarity | Grad | Connector A | Connector B | Polishing | Length |
|-------|-------|------------------|----------------------|-----------------------|--------------------|---|----------------|-----------|
| PCMPO | 2=OS2 | 08=8 Fibers | A=Type A B=Type B | S=Standard E=Elite | M=Male F=Female | LC=LC SC=SC FC=FC ST=ST S=Specify | P=UPC A=APC | 01=1M |
| | 3=OM3 | 12=12 Fibers | | | | | | 02=2M |
| | 4=OM4 | 24=24 Fibers | | | | | | 05=5M |
| | 5=OM5 | 36=3x12 Fibers | | | | | | 10=10M |
| | | 48=4x12 Fibers | | | | | | S=Specify |
| | | 96=8x12 Fibers | | | | | | |
| | | 144=12x12 Fibers | | | | | | |
| | | Fibers | | | | | | |