

MPO Trunk Patchcord

IDEAL FOR DATA CENTER HIGH DENSITY CABLING SYSTEM

Designed for data center applications requiring quick infrastructure deployment such as main, horizontal, and zone distribution areas.



GEZHI MPO Patchcord are made up of connectors and fiber optic cables and are high-density fiber transmission jumpers. Its can combine up to 144 fibers in a single MPO cable assembly. 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.

Features	Application
<ul style="list-style-type: none"> ● US Conec MTP® connector, Senko MPO ● OS2, OM3, OM4, OM5 available ● 0.35dB elite low loss connector ● Factory terminated and tested 	<ul style="list-style-type: none"> ● Data Center ● Backbone ● Telecommunication ● Cloud storage networks

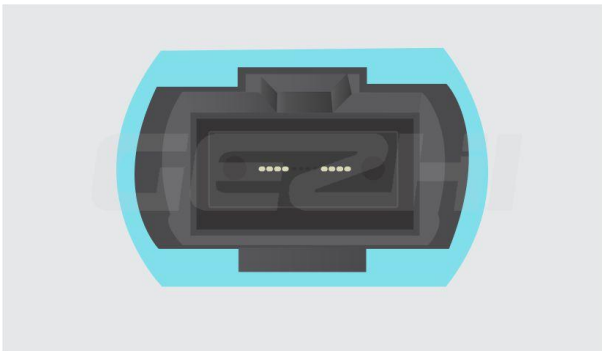
Ordering Information

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

Performance

Performance Level			Standard		Elite	
Connector	Mode	Endface	IL(max) (dB)	RL(min) (dB)	IL(max) (dB)	RL(min) (dB)
MPO/MTP	MM OM3	8F/APC	≤0.50	≥20	≤0.35	≥20
		12F/APC	≤0.50	≥20	≤0.35	≥20
		24F/APC	≤0.50	≥20	≤0.35	≥20
		8F/PC	≤0.50	≥20	≤0.35	≥20
		12F/PC	≤0.50	≥20	≤0.35	≥20
		24F/PC	≤0.50	≥20	≤0.35	≥20

1. Custom Fiber Count

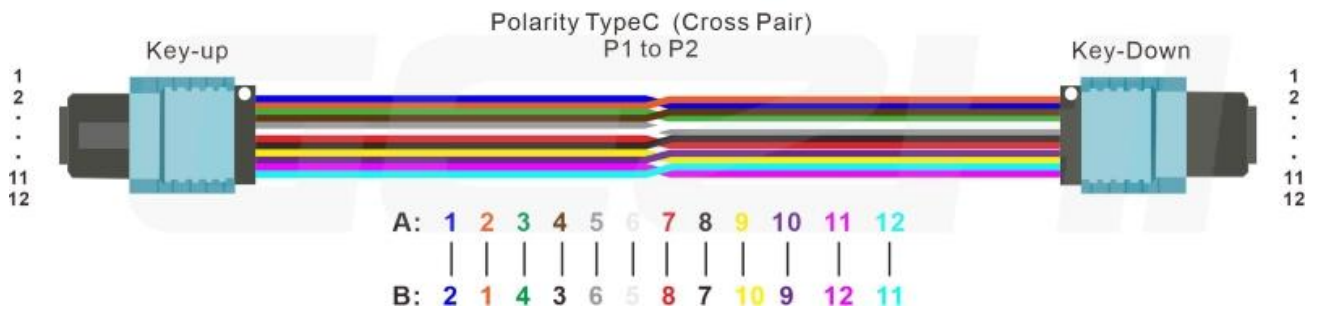
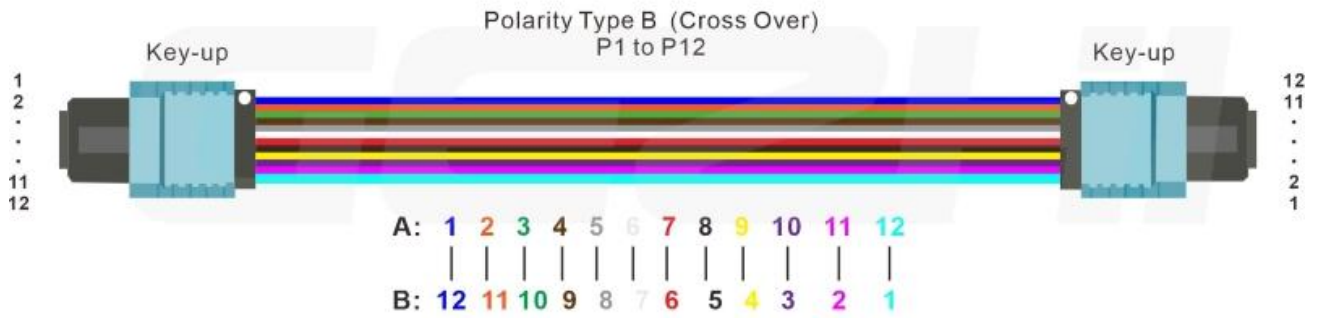
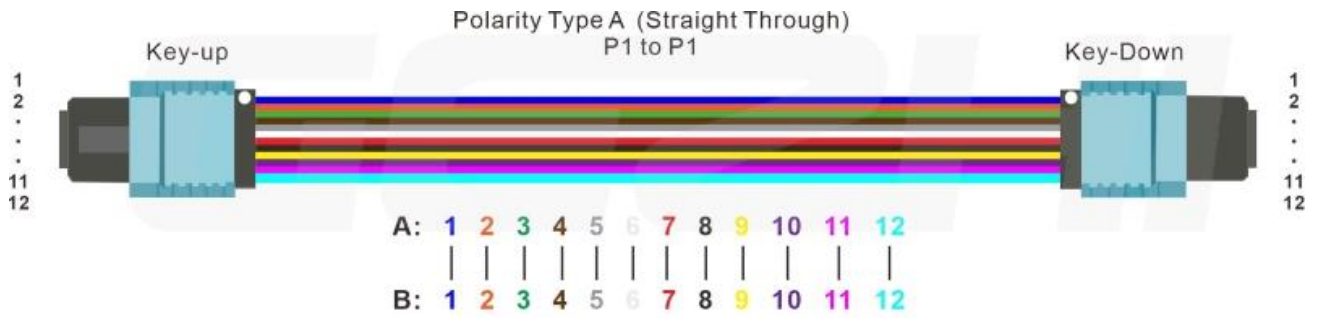
8 Fibers	12-144 Fibers
used for 40G/100G QSFP+/QSFP28 direct connection.	used for 10G/40G/100G high-densisty structural fiber cabling.
	

2. 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.

MPO connectors also include a key on the top side of the connector and a white dot on the side to indicate the location of Position 1. The orientation of the key is critical when it comes to polarity.

There are also three different types of MPO cables – Type A, Type B and Type C as below pictures:



3. 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.



Male



Female