

MPO to LC Fiber Optic Fan-Out Jumper

This MPO to LC fan-out jumper is designed for 10G to 100G transmission. It supports 12 to 144 core capacity, saving cabinet space with its plug and play structure.



Overview

High-Density Connectivity Solution

The MPO to LC Fiber Optic Fan-Out Jumper is designed for high-density cabling environments, facilitating a seamless transition between MPO/MTP connectors and LC interfaces. These jumpers are engineered to ensure low insertion loss and high return loss, providing optimal signal transmission for 40G/100G Ethernet and high-speed data networks. With a precision-polished connector design, they offer stable performance and reduced back reflection for critical telecommunication and data center applications.

Optical Performance

Insertion Loss Metrics

Metric	Single Mode	Multimode
Typical Insertion Loss	≤ 0.5 dB	≤ 0.5 dB
Maximum Insertion Loss	≤ 0.35 dB	≤ 0.35 dB

Back Reflection

60 dB

Single Mode

20 dB

Multimode

Durability

Repeatability (200 Cycles)

0.3 dB

Single Mode

0.2 dB

Multimode

Environmental Conditions

Operating Temperature

- 20 °C to 60 °C (PVC)
- 30 °C to 60 °C (LSZH)

Storage Temperature

-40 °C to 68 °C

Relative Humidity

10% ~ 90%