

MPO Loopback

Product Drawing



Product Description

MPO Loopback Connector is designed for testing of MPO parallel links and for device burn-in. By creating a loop of signal from transmitter to receiver within one MPO plug, it forms optical link which allows testing of optical network segment by segment.

The MPO fiber optic connector uses precision molded MT ferrules with metal guide pins and precise housing dimensions to ensure fiber alignment during matching. MPO optical cables are packaged in a sturdy and compact casing, achieving the highest density for these applications. The MPO loop back standard products include 12 core female MPO interface fibers with 8-core fiber optic (QSFP) options or 100G single-mode or multi-mode versions. Our compact and sturdy housing design provides high stability, reliability, and repeatability.

Product features

- Provide 4 fibers, 8 fibers, and 12 fibers.
- Provide standard loss and low loss.
- Provide single-mode APC and multi-mode PC.
- Low insertion loss, effectively reducing insertion loss and improving signal transmission quality.
- MPO connectors provide simple "plug and play" functionality, allowing for quick installation and removal without the need for special tools.

Application

Data centers, high-speed network equipment FTTX、40/100G SFP、SFP+.

Technical Specifications

Product Parameters

Project		Technical indicators	
Product name		MPO Loopback	
Type		Single Mode	Multi-mode
Standard Insertion Loss	Typical (dB)	0.35	0.35
	Maximum (dB)	0.7	0.7

Low Insertion Loss	Typical (dB)	0.2	0.2
	Maximum (dB)	0.35	0.35
Return Loss (dB)		≥ 60 (APC) ≥ 50 (PC)	≥ 20 (PC)
Tensile Strength (kgf)		10	
Working Temperature (°C)		-40 ~+85	
Testing Wavelength (nm)		1310	850

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