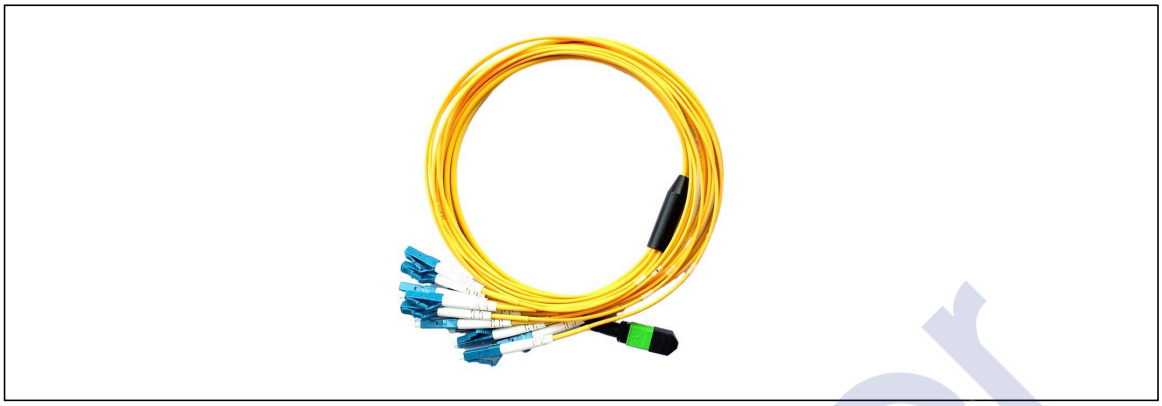
MPO-LC Fiber Optic Patchcord

Product Drawing



Product Description

MPO-LC patchcord is a fiber optic patch cord that uses a combination of MPO (Multi fiber Push On) connectors and LC connectors. This product perfectly combines the high-density and multi-core characteristics of MPO connectors with the standard interface of LC connectors, aiming to provide efficient and reliable fiber connection solutions. MPO-LC patch cord are widely used in data centers, high-speed network devices, and environments that require high-density fiber optic connections.

Product features

- High density connection: Supports up to 12 and 24 core fiber optic connections to meet high-density cabling needs.
- Efficient transmission: Adopting parallel transmission technology, supporting 40G/100G high-speed data transmission.
- Accurate alignment: The MPO and LC connectors are precisely matched to ensure stable signal transmission.
- Miniaturization design: compact structure, convenient wiring, and space saving.

Application

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

Technical Specifications

Product Parameters

Project		Technical indicators				
Product name		MPO-LC Fiber Optic Patchcord				
Parameter		Unit	SM Standard	SM Low loss	MM Standard	MM Low loss
Insertion Loss	Typ	dB	0.35	0.2	0.35	0.2
	Max		0.75	0.35	0.65	0.35
Reture Loss		dB	APC≥50	/	≥25	≥35
			PC≥40			
Repeatability		dB	≤0.1			
Interchangeability		dB	≤0.3(Connector Randomly)			
Durability		dB	≤0.3(change 500matings)		≤0.3(change 1000matings)	

Vibration	dB	⩽0.3(10~55Hz)
Fiber Type	SM9/125,MM50/125,MM62.5/125,OM3,OM4	