

# FIBER OPTIC ACCESSORIES

MPO-LC Harness Single-mode/Multimode



## FEATURES

- Eliminate termination errors, Min installation time.
- Each cable is 100% tested for low insertion loss and back reflection.
- Optimized performance - Elite MPO and discrete premium connector.  
Suitable for MPO application

## STANDARD

- Support 40GBASE-SR4 in applicable parallel optics networks.
- Compliant to IEC-61754-7 and TIA-604-5(FOCIS-5) standard.
- Telcordia GR-1435-CORE, and RoHS
- LSZH Jacket by Default
- Meet the standards of TIA/EIA and IEC.
- Fiber Types: OS2 G652D, G.657A1, 50/125 OM3, OM4, OM5
- Jacket standard colors: OS2 and G.657A1 yellow, OM3 and OM4 Aqua, OM5 Lime Green
- Connectors: 12 x Fiber Ferrule MPO/MTP connector female (Un-pinned) or male (Pinned)
- Cable cores:24, 48, 72, 96, 144 cores Micro-Cable versions available
- Jacket materials: LSZH, OFNP (Plenum), OFNR (Riser)
- High Density Up to 144x Fibers in one cable
- Pulling eyes and reel types optional
- Fast Deployment: Modular cables and cassettes, make deployment and maintenance easier work



## APPLICATION

- Data Centers with High Density Requirement.
- Fiber Channel Storage.
- Parallel Processing Applications.
- Telecommunications and Backbone Installations.

## DESCRIPTION

MPO/MTP Fiber Loopbacks is designed to provide a media of return patch for a fiber optic signal. Typically it is used for fiber optic testing applications or network restorations. For the testing applications, the loopback signal is used for diagnosing a problem. Sending a loopback test to network equipment, one at a time, is a technique for isolating a problem.

MPO/MTP to LC harness cables are used to fan out the 12-24 core MPO fibers into generic connectors, typical optical fiber types are single mode OS2, multimode OM2, OM3, OM4. The MPO/MTP to LC harness cables can be made with 2mm or 3mm ruggedized furcation legs in customized length, this will help make it more rugged.

## SPECIFICATION

Connector A	MPO/MTP	Connector B	LC	Return Loss
Fibre Mode	OS2 9/125µm SM	Wavelength	1310/1550nm	≥ 60dB
	OM3 50/125µm		850/1300nm	≥ 20dB
	OM4 50/125µm		850/1300nm	≥ 20dB
Insertion Loss	0.35dB Max (0.15dB Typ.)			
Installation Tensile Load	100 N			
Long-Term Tensile Load	50 N			
Storage Temperature	-40°C to +85°C			
Operating Temperature	-10°C to +70°C			

## ORDER INFORMATION

PRODUCT	PART NUMBER
MPO-LC Harness, MM/OM3, 3mm, 12F	F-MPOHA-MM/OM3-3MM-12F
MPO-LC Harness, MM/OM4, 3mm, 12F	F-MPOHA-MM/OM4-3MM-12F
MPO-LC Harness, SM/OS2, 3mm, 12F	F-MPOHA-SM/OS2-3MM-12F
MPO-LC Harness, MM/OM3, 3.5mm, 24F	F-MPOHA-MM/OM3-3.5MM-24F
MPO-LC Harness, MM/OM4, 3.5mm, 24F	F-MPOHA-MM/OM4-3.5MM-24F
MPO-LC Harness, SM/OS2, 3.5mm, 24F	F-MPOHA-SM/OS2-3.5MM-24F