

MPO/MTP Fiber Loopback

Description

It has an MPO/MTP loopback patch cord in the MPO/MTP fiber loopback, fixes both ends of the optical fiber into an MPO/MTP connector, and transmits the optical network signal from the transmitter to the receiver end to realize the optical loop in the same connector. The fiber Loopback Module 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., thereby Achieving effective testing and evaluation of individual components or interfaces and networks on fiber-optic networks.



MPO/MTP Fiber Loopback

Features

- 4-core, 8-core, 12-core optional
- Standard loss, low loss optional
- Single Mode APC or Multimode PC Optional
- Standard fiber array or customized
- Reliable PIN positing testing for Male/Female PIN

Application

- Data Center Infrastructure
- Optical system access network
- Storage Area Network- Fiber Channel
- 40G and 100Gbps Fiber Network
- High density architectures

Parameter

Optical Parameters				
Insertion Loss (dB)	SM Standard	SM Elite	MM Standard	MM Elite
	≤1.2	≤0.7	≤1.2	≤0.7
Return Loss (dB)	/		/	
Durability (dB)	≤0.2 500 times mating			
Tensile Strength (kgf)	10			
Working Temperature (℃)	−20 ∼+70			
Measurement Wavelength (nm)	1310		850	
Geometry Parameters				
Item	X-axis		Y-axis	
	Min	Max	Min	Max
Radius of Curvature (mm)	500	—	50	—
Polishing Angle	0-0.2	0+0.2	8-0.2	8+0.2
Item	Min		Max	
Fiber Height (nm)	1000		3000	
Max Fiber Height Error (nm)	600			
Adjacent Fiber Height Error (nm)	-300		+300	
Avg. Fiber Height Error (nm)	-300		+300	
Central Concave (nm)	300			