

MTP/MPO Fiber Loopback by ETL



MTP MPO Loopback Cable



MTP MPO Loopback Module A



MTP MPO Loopback Module B

Introduction :

MTP / MPO Loopback is a type of optical fiber that runs through both ends of MTP/ MPO connector, allowing the optical path to remain within the same connector. Optical fibers enter through several channels on one side and exit through several channels on the other, thus creating a loop.

MTP/ MPO fiber optic loopback provides an effective solution for testing the transmit and receive capabilities of network equipment, particularly for telecommunications and data communications requirements.

The product features a high-density, compact design and can be used with or without attenuation, including 8-core QSFP, 12-core, 24-core, 16-core, SM, or MM MTP MPO female connectors. Its streamlined and robust housing design provides superior stability and reliability.

Features :

1. Single or multiple mold options available; end face options: PC or APC 8°.
2. Low loss and normal loss options are available. Fiber optic type is optional.
3. Frame colors are available (purple, light blue, beige, yellow, cyan).
4. Whether to install guide pins is optional, i.e., male or female connectors are optional.
5. The fiber optic pigtail is protected by a black box, and the entire circuit breaker has no exposed fiber optic cables.
6. Complies with Telcordia GR-1435-CORE and RoHS requirements.

Applications

1. MTP/MPO network component systems
2. System cabling
3. System loop test
4. Jumper circuit detection

Specifications :

Parameter	Single-mode	Multimode
Operating wavelength (nm)	Single-mode: 1310nm, 1550nm; Multi-mode: 850nm, 1300nm	
Typical insertion loss (dB)	0.35	0.3
Maximum insertion loss (dB)	0.8	0.7
Return loss (In/Out) (dB)	UPC ≥ 50 A PC ≥ 60	≥ 20
Interchangeability (dB)	≤ 0.2	≤ 0.2
Repeatability (dB)	≤ 0.1	
Operating temperature (°C)	- 20 ~ + 75	
Applicable fiber optic types	SM-G652D,G657A1 G657A2 G657B3 MM- OM1 OM2 OM3 OM4 OM5	
Applicable wire diameter	Φ 3.0 mm, Φ 2.0 mm	

Ordering Information:

Type	Wavelength	Grade	Fiber Type	Fiber Length	Connector Type
ETL=MPO	13 = 1310nm	A=A grade	1 = SM	1 = 80mm	0 = APC Female
Loopback	15 = 1550 nm		2 = OM1	2 = 100mm	1 = PC Female
	85 = 850 nm		3 = OM2	3 = 120mm	2 = APC Male
	130 = 1300 nm		4 = OM4	4 = Module A	3 = PC Male
			5 = OM5	5 = Module B	
				6 = Customized	