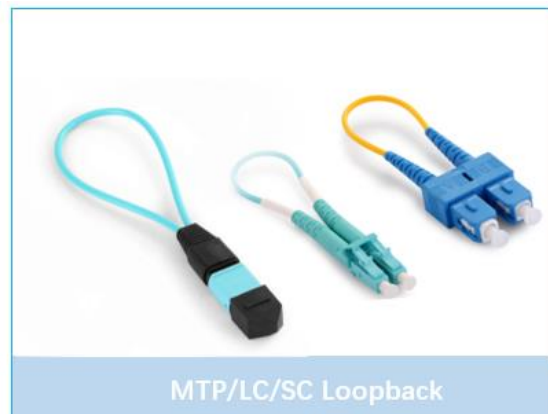


Loopback (MTP/MPO/SC/LC)



MTP Loopback with housing and pull-tab

Loopback is a type of duplex or multi-fiber connector in which both ends of fibers are in the same connector. Signals input into a loopback have no change and get back to the loopback directly. It provides an effective solution to test the transmission ability and receive sensitivity of a network equipment. Especially, the returning signal can detect potential problems in 40G/100G communication network, so as to effectively test and evaluate optical fiber network on a single element or interface.



Information and specifications are subject to change without notice.
Please visit www.china-tscom.com for more information

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Applications

- System loop test
- Optical loop test
- Aging and testing of the system

Features

- Duplex connector or multi fiber connector
- Low insertion loss and high return loss
- High precision connector
- PC UPC APC end face polish
- Cable form or housing form
- Customized length available(for housing only:multi-fiber connector \geq 15cm; duplex connector \geq 7.5cm)
- 100% factory terminated and tested
- ROHS Compliant

Standards Compliance

- TIA/EIA-568.3-D
- IEC 61754 Series
- IEC 61753-1
- EIA/TIA-604 Series
- GR 326-CORE
- GR 1435-CORE

General Specification

Construction	Description
Fiber Count	2fibers for duplex type; 2-48fibers for multi-fiber connector
Fiber Mode	Singlemode: G.652/G.657 Multimode: OM1 OM2 OM3; OM4
Fiber Brand	Corning SMF-28 [®] Ultra optical fiber Corning ClearCurve [®] multimode fiber
Cable Jacket Material	Low Smoke Zero Halogen (LSZH) PVC
Cable Jacket Ratings	Riser (OFNR) Plenum (OFNP)
Cable Jacket Color	G.652/G.657: Yellow

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	OM1&OM2: Orange				
	OM3: Aqua; OM4: Aqua/Magenta or Customized				
Connector Type	SC, LC, MPO, MTP				
Connector Color (SC/LC)	SM(APC)	SM(PC)	OM3	OM4	or customized
	Green	Blue	Aqua	Magenta/Aqua	
Connector Color (MTP/MPO)	SM(APC)	SM(PC)	OM3	OM4	or customized
	Low Loss	Yellow	Yellow	Aqua	Magenta/Aqua
	Standard	Green	Blue	Aqua	Magenta/Aqua
Connector Gender (MTP/MPO)	Male/Female				
Loopback housing color	black				
Operating Temperature	-20°C to + 70°C				
Storage Temperature	-40°C to + 85°C				

Technical Specification

Optical Properties	Singlemode	Multimode
Insertion Loss (dB) (SC,LC etc.)	APC \leq 0.60 (Typical: \leq 0.30) UPC \leq 0.40 (Typical: \leq 0.20)	APC \leq 0.60 (Typical: \leq 0.30) PC \leq 0.40 (Typical: \leq 0.20)
Insertion Loss (dB) (MTP/MPO)	Low loss \leq 0.70 (Typical: \leq 0.50) Standard Loss \leq 1.50 (Typical: \leq 0.80)	Low loss \leq 0.70 (Typical: \leq 0.50) Standard Loss \leq 1.20 (Typical: \leq 0.60)
Return Loss (dB)	PC \geq 50; APC \geq 60	PC \geq 20; APC \geq 40
Durability	\leq 0.2 dB typical change, 50 matings	
Wavelength (nm)	Singlemode: 1310/1550, Multimode: 850/1300	

Note: IL&RL Test method: IEC 61300-3-4 insertion C.