

MP-MP-LB / MT-MT-LB

MPO/MTP Patch Cords

MPO/MTP MM OM3 Loopback Patch Cords



Overview

MPO/MTP Loopback patch cords are designed to equipment and optical module transmission loop test, fit for different installation environment and easy to install on equipment and optical module transceiver. AOA Loopback are 100% factory tested and can meet your special requirements. All the MPO/MTP connector compliance with Telcordia GR-1435-Core Compliant.

Features

- Loss optical performance to meet data center power budgets
- IEC, EIA/TIA or Telcordia compliant
- 100% optical inspection and testing
- Standard and Reduced Bend Sensitivity OM3, OM4 and OS2 Fiber types
- Available in different lengths and colors

Applications

- Data Center Testing
- Equipment loop test
- Transceiver test
- Telecommunication networks

Technical Specifications

MTP MPO Optical Performance

Type		Unit	Description			
MPO/MTP connector		--	Standard SM MT	Low Loss(Elite) SM MT	Standard MM MT	Low Loss(Elite) MM MT
Insertion Loss	Typical	(dB)	0.35	0.20	0.35	0.20
	Max	(dB)	0.75	0.35	0.60	0.35
Return Loss		(dB)	APC≥60, PC≥50		≥20 for PC	
Male / Female		--	Male: With Pins		Female: Without Pins	
Wavelength		(nm)	Single Mode: 1310/1550		Multi-mode: 850/1300	
Transmission Distance		(m)	OM4: 150m(40/100G), 500m(10G) OM3: 100m(40/100G), 300m(10G)			

Geometry Parameters

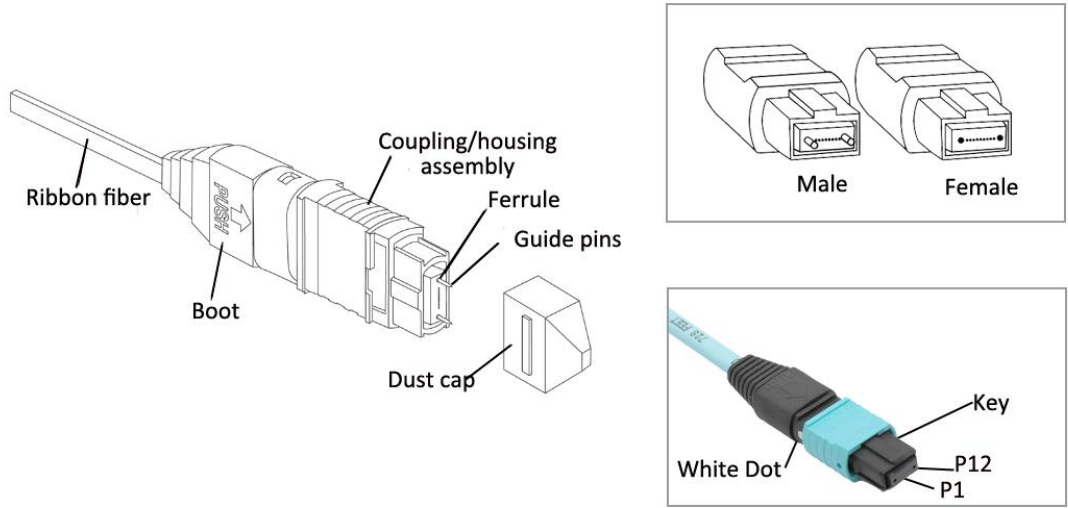
Type	Unit	Description	
		Single Mode	Multi-mode
Radius of curvature X	(mm)	Min 2000	Min 2000
Radius of curvature Y	(mm)	Min 5	Min 5
Fiber Height	(nm)	1000~3500	1000~3500
Max.Diff.Height All	(nm)	Max 50	Max 50
Max.Diff.Height Adj	(nm)	Max 300	Max 300
Tilt Angle X	(°)	-0.2~+0.2	-0.2~+0.2
Tilt Angle Y	(°)	PC:-0.2~+0.2;APC:7.8~8.2	-0.2~+0.2
Core Dip	(nm)	N/A	-100~+200

Patch Cord Construction

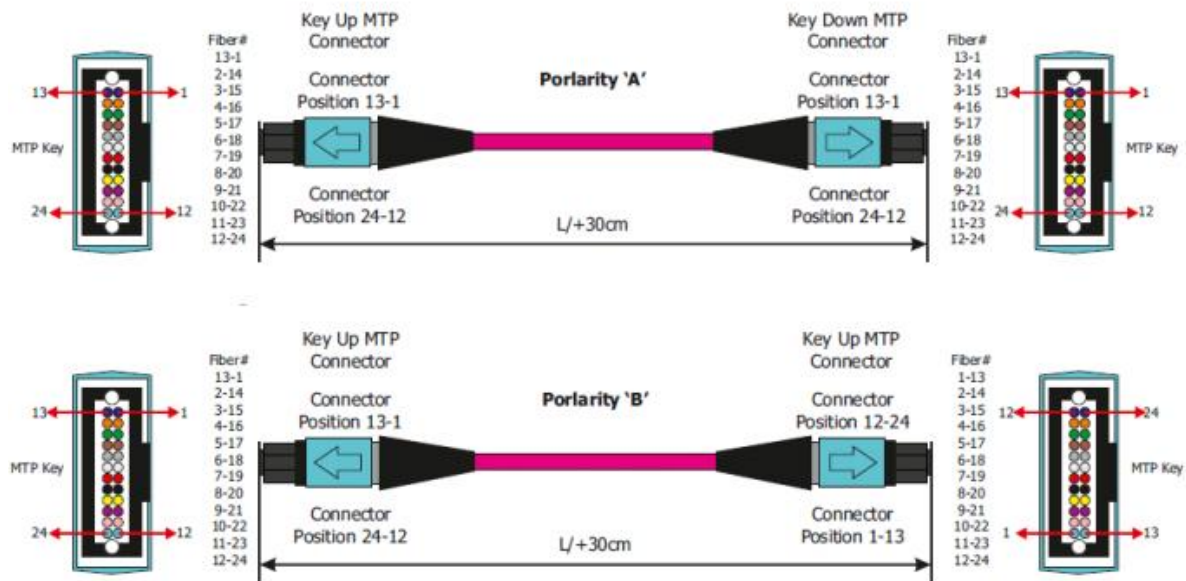
Items	Description
Connector	MPO / MTP
Connector Type	Female / Male
Connector Color	OS2: Green OM4/OM3: Aqua
Fiber Count	4~72 Fibers
Fiber Mode	Single mode: OS2 9/125μm Multi-mode: OM4 50/125μm, OM3 50/125μm
Cable Type	Trunk
Cable Color	OS2: Yellow OM4: Magenta OM3: Aqua
Cable Jacket Material	Plenum (OFNP) / Low Smoke Zero Halogen (LSZH) / Riser (OFNR)
Cable Diameter	3.0±0.2 mm
Polarity	Type A / Type B / Type C

MPO MTP Connector

MPO MTP Connector Structure



MPO MTP Polarity Method



For further information, please visit our website <https://www.aoatech.com>

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