



MPO Polarity Changeable Patch-Cord



Description

The MPO Switchable Connector is a unique design that allows the use of round style. The housing of the MPO Switchable Connector can be Polarity change in the field without the use of any tool, and simple gender change without taking off the housing. This connector allows the fiber polarity to be switched at the time of cable assembly installation without having to re-terminate the connectors. This design is commonly used in data centers.

Application

- CATV , and Multimedia
- Telecommunication networks
- Active device interface
- Telecommunication networks
- Gigabit Ethernet
- Data processing networks
- Interconnection for O/E modules
- Premise installations
- Optical switch interframe connection
- Asynchronous Transmission Mode (ATM)

Features

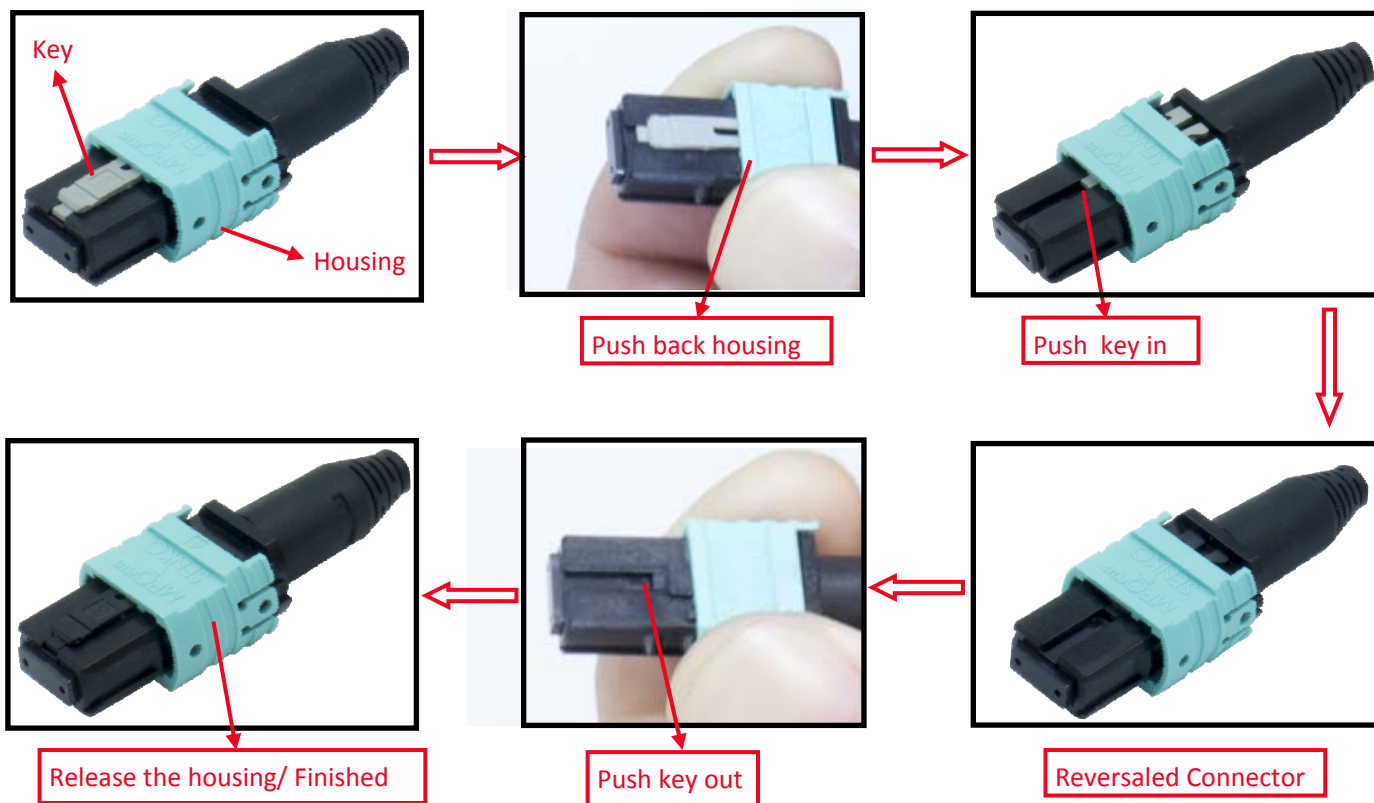
- Low insertion loss and back reflection loss
- Polarity change in the field without any tool
- Simple gender change without taking off the housing
- Good exchangeability
- Good Durability
- High temperature stability
- Various boots types available
- Standard: Telcordia GR-1435-CORE compliant

Specification

Item	Single mode		Multimode	
	Standard	Low loss	Standard	Low loss
Insertion Loss	$\leq 0.75\text{dB}$ typical $\leq 0.5\text{dB}$	$\leq 0.35\text{dB}$ typical $\leq 0.2\text{dB}$	$\leq 0.5\text{dB}$ typical $\leq 0.35\text{dB}$	$\leq 0.35\text{dB}$ typical $\leq 0.2\text{dB}$
Return Loss	$\geq 60\text{ dB (APC)}$		$\geq 30\text{ dB (PC)}$	
Repeatability	$\leq 0.1\text{dB}$			
Durability	$\leq 0.2\text{ dB typical change, 500 matings}$			
Interchangeability	$\leq 0.2\text{dB}$			
Tensile strength	$>70\text{N}$			
Operating Temperature	$-40\text{ to }+85^\circ\text{C}$			



Switch Polarity (Sample: Aqua housing/3.0mm short mini boot)



Ordering Information

Connector Gender	Housing Color	Boot Type	Fiber number	Fiber Type	Length
Male	SM Low Loss Yellow	No BOOT	4-fiber	9/125μm (SM)	Customized
Female	SM Green	Bare Ribbon Boot	8-fiber	50/125μm (MM)	
	MM OM4 Heather Violet	2mm Boot	12-fiber	62.5/125μm (MM)	
	MM OM3 Aqua	3mm Round MINI Boot	16-fiber	OM3	
	MM Beige	3mm Short mini Boot	24-fiber	OM4	
	MM Black	3mm Flex Angle Boot			
		3.6mm Round Boot			
		3.6mm Flex Angle Boot			
		4.5mm Round Boot			
		5mm Round Boot			
		5.5mm Round Boot			