

MPO Round Trunk Cable Patch Cord

MPO fiber optical patchcord which are highly demanded in fiber optical communication systems with high density optical fiber. The MPO product comes in many types such as distribution and ribbon type. It also can be split into 2 to 24 core 0.9mm or 2.0mm/3.0mm fiber branch though a splitter(round or square).

The connector type and the length of fiber patchcord can be decided by customers. Our product conforms to Telcordia GR-326&GR-1435 standards.

Features

- Low insertion loss and back reflection loss
- Good exchangeability
- Good Durability
- High temperature stability
- Standard: Telcordia GR-1435-CORE compliant
- ROHS compliant
- IEC61300/IEC61753/TIA455/IEC60793/IEC60794/IEC61755 compliant

Applications

- 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)

Specifications

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 $\leq 0.2\text{dB}$	$\leq 0.75\text{dB}$, typical $\leq 0.5\text{dB}$	$\leq 0.35\text{dB}$, typical $\leq 0.2\text{dB}$
Insertion Loss (LC/SC/FC/ST/E2000)	$\leq 0.3\text{dB}$	$\leq 0.2\text{dB}$	$\leq 0.3\text{dB}$	$\leq 0.2\text{dB}$
Return Loss	MPO $\geq 60\text{dB}$ (APC) LC/SC/FC/ST/E2000 $\geq 60\text{dB}$ (APC) LC/SC/FC/ST/E2000 $\geq 50\text{dB}$ (PC)		$\geq 30\text{dB}$ (PC)	
Repeatability	≤ 0.2		≤ 0.2	
Durability	$\leq 0.2\text{ dB}$ typical change, 500 matings		$\leq 0.2\text{ dB}$ typical change, 500 matings	
Interchangeability	$\leq 0.2\text{dB}$		$\leq 0.2\text{dB}$	
Tensile Strength	$> 70\text{N}$		$> 70\text{N}$	
Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$		$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$	

