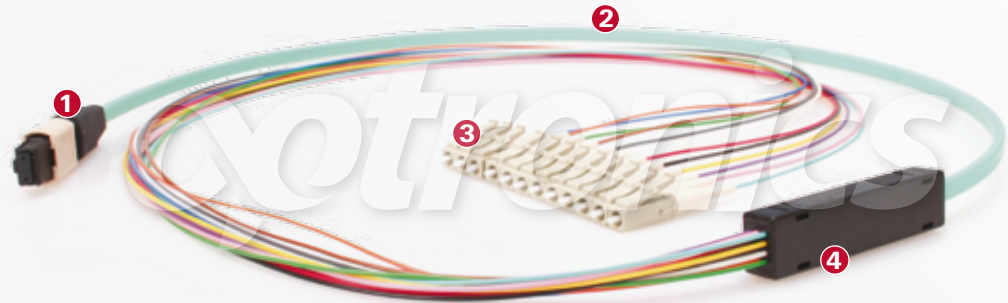


MPO Jumper 62.5/125-50/125



Multimode - Single Mode OPMPOJU62HH010

The Optronics MPO Fiber Optic Jumper offers up to 12 times the density of standard connectors, providing significant space and excellent performance.

The Optronics MPO Fiber Optic Jumper utilizes precision ferrules with metal guide pins and precise housing dimensions to ensure fiber positioning when mating. Each fiber is 900µm tight buffered and Kevlar® protected to ensure high resistance to pulling and installation.

- ❶ MPO Connector
- ❷ Cable: Ribbon
- ❸ LC Connector
- ❹ Break - Out

SPECIFICATIONS

Norms and Standards	Telcordia GR-326, IEEE 802.3u/802.3x/802.3z/802.3j, IEC 60794, TIA/EIA-568.B.3			
Fiber Jacket	Color	Multimode: orange		
	Diameter	3mm ± 0.05mm	2mm ± 0.05mm	
	Thickness	0.80mm ± 0.80mm	0.60mm ± 0.05mm	
	Temperature	-20°C up to 85°C		
Fiber optic	Core diameter	Fiber	Value	
		50/125µm, 50/125µm 10G	± 0.70mm	
		62/125µm, 9/125µm		
	Cladding diameter	125.0 ± 2.0µm		
	Core concentricity	≤1.5µm		
	Cladding concentricity	≤1.0%		
	Wavelength	Multimode:	850 nm	1300 nm
		Single mode:	1310 nm	1550 nm
Maximum value	dB/Km	≤0.03	≤0.02	
Recommended Light source	Multimode:	LED or VCSEL		
	Single mode:	Laser		

MPO Jumper 62.5/125-50/125



Features

- 12 fiber portability through a single cable.
- Low insertion and return loss.
- Electric interference immune.
- Multimode / Single Mode fiber.
- Ribbon cable.
- Telcordia GR-326 and IEEE 802.3u/802.3x/802.3z/802.3j standards tested.
- IEC 60794, TIA/EIA-568.B.3 compliant.
- UL 1666 compliant.
- Temperature range -20°C up to 85°C.



Conector A



Conector B

CONNECTORS	FC	ST	SC	LC	MPO
Fastening	Threaded coupling	Bayonet fitting	Push-pull	Plug-in	Plug-in
Body	Metallic	Metallic	Plastic	Plastic	Plastic
Ferrule	Ceramic	Ceramic	Ceramic	Ceramic	Plastic
Ferrule diameter	2.5mm	2.5mm	2.5mm	1.5mm	Plastic
Polish	PC/UPC/APC	PC/UPC	PC/UPC/APC	PC/UPC	PC/UPC
Ferrule tolerance	125.0± 1µm SM 126.0±µM MM	125.0± 1µm SM 126.0±µM MM	125.0± 1µm SM 126.0±µM MM	125.0± 1µm SM 126.0±µM MM	
Insertion loss	≤0.20 dB PC ≤0.30 dB UPC ≤0.45 dB APC	≤0.20 dB PC ≤0.30 dB UPC	≤0.20 dB PC ≤0.30 dB UPC ≤0.45 dB APC	≤0.20 dB PC ≤0.30 dB UPC	≤0.20 dB PC ≤0.30 dB UPC ≤0.35 dB UPC
Return loss	≤0.45 dB UPC ≤0.50 dB APC	≤0.45 dB UPC ≤0.50 dB APC	≤0.45 dB UPC ≤0.50 dB APC	≤0.45 dB UPC ≤0.50 dB APC	≤0.45 dB UPC ≤0.60 dB APC
Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Durability	± 1db 500 Insertions	± 1db 500 Insertions	± 1db 500 Insertions	± 1db 500 Insertions	± 1db 500 Insertions
Boot color	Black PC Aqua 10G Blue UPC Green APC	Black PC Aqua 10G Yellow UPC	Beige PC Aqua 10G Blue UPC Green APC	White PC Aqua 10G White UPC	Black PC/UPC/APC