

SWITCHABLE DUPLEX LC UNIBOOT FIBER OPTIC PATCH CORD



Applications :

- CATV
- Telecommunication networks
- Active device termination
- Metro
- Local Area Networks (LANs)
- Data processing network
- Test equipment
- Premise installations
- Wide Area Networks (WANs)
- FTTX

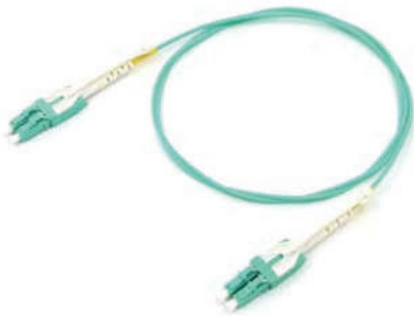
Features :

- Fiber polarity A -> A or A -> B can be switched by installer
- Thin round cable
- Duplex connectors with single boot which is highly integrated and easy for installation
- Standard compatible, simplex / duplex LC connectors. Other options: SC / FC
- High performance, 100% tested
- Fiber type: OFNR, OFNP
- Customized patch cord length
- Two notches on the connectors for easy for installation and uninstallation
- Mini and flexible boot is available. Boot can be turned to any angle
- Quick deployment reduces installation time
- Reduces cabling congestion and improves patch cord management and installation
- Improves cabling space
- Fast upgrading supports parallel transmission system
- Outer jacket material, PVC, LSZH and other materials selection

Specifications :

Parameter	Singlemode	Multimode
Insertion Loss	≤0.30 dB	≤0.30 dB
Return Loss	≥0.50 dB (PC), ≥0.60 dB (APC)	N/A
Durability	<0.20 dB typical change, 1000 mating	N/A
Operation Temperature	-40 to + 85°C	

HIGH DENSITY LC DUPLEX UNI-BOOT PATCH CORD



Applications :

- CATV
- Telecommunication networks
- Active device termination
- Metro
- Local Area Networks (LANs)
- Data processing network
- Test equipment
- Premise installations
- Wide Area Networks (WANs)
- FTTX

Features :

- Thin round cable
- Duplex LC with latched uniboot, easy for plug in and out among panels
- Standard compatible, duplex LC connectors
- High transmission, 100% tested under IEC standards
- Quick deployment reduces installation time
- Reduces cabling congestion and improves management and installation convenience
- Fast upgrading supports parallel transmission system
- Outer jacket material, PVC, LSZH and other materials selection
- Fiber type: ODNR, OFNP
- Customized patch cord length

Specifications :

Parameter	Singlemode	Multimode
Insertion Loss	≤0.30 dB	≤0.30 dB
Return Loss	≥0.50 dB (PC), ≥0.60 dB (APC)	N/A
Durability	<0.20 dB typical change, 1000 mating	N/A
Operation Temperature	-40 to + 85°C	



- Application :**
- Telecommunication networks
 - Data Center
 - CATV and Multimedia
 - Optical switch interframe connection
 - Asynchronous Transmission Mode (ATM)

- Features :**
- Connect 12 cores MTP/MPO to the LC connectors on the trunk cable
 - Array connectors with high precision low loss MTP/MPO connectors
 - Smooth upgrading to next generation data center of 40Gbps and 100Gbps
 - Outer jacket material option : PVC, LSZH and other selected materials
 - Cable flammability rating : OFNR, OFNP, LSZH

Specifications :

Parameter	Singlemode		Multimode	
	MTP/MPO	LC	MTP/MPO	LC
Insertion Loss	Low loss ≤ 0.35 dB	≤ 0.3 dB	Low loss ≤ 0.35 dB	≤ 0.3 dB
	Standard Loss ≤ 0.7 dB		Standard Loss ≤ 0.5 dB	
Return Loss	≥ 60 dB	≥ 50 dB	≥ 30 dB	≥ 30 dB
Durability	< 0.2 typical change, 500 mating			
Operation Temperature	-40 to $+ 85^{\circ}\text{C}$			

MTP/MPO TRUNK FIBER OPTIC CABLE PATCH CORD



- Application :**
- Telecommunication networks
 - Data Center
 - CATV and Multimedia
 - Optical switch interframe connection
 - Asynchronous Transmission Mode (ATM)

- Features :**
- Array of connectors with high precision low loss MTP / MPO connectors
 - MTP/MPO connectors has been assembled at both ends of the cable. The optical performance is 100% tested
 - A B C three polarity wiring options can be chosen from
 - Sufficient capacity can provide 4-144 cores fiber connections
 - Cable flammability rating: OFNR, OFNP, LSZH
 - The length of customized cable, trunk cable, extension cable, branch cable can be accurate
 - Traction tube is the optional for easy on site installation
 - Minimize failures and reduces cabling space and installation time
 - Smooth upgrading to next generation data center of 40GbE and 100GbE
 - Outer jacket material option : PVC, LSZH and other selected materials

Specifications :

Parameter	Singlemode	Multimode
	Insertion Loss	Low loss ≤ 0.35 dB
Standard Loss ≤ 0.7 dB		Standard Loss ≤ 0.5 dB
Return Loss	≥ 60 dB	≥ 30 dB
Durability	< 0.2 typical change, 500 mating	
Operation Temperature	-40 to $+ 85^{\circ}\text{C}$	
40G	8 Fiber	
100G	20 Fiber	



Application :

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- Optical switch interframe connection
- Asynchronous Transmission Mode (ATM)

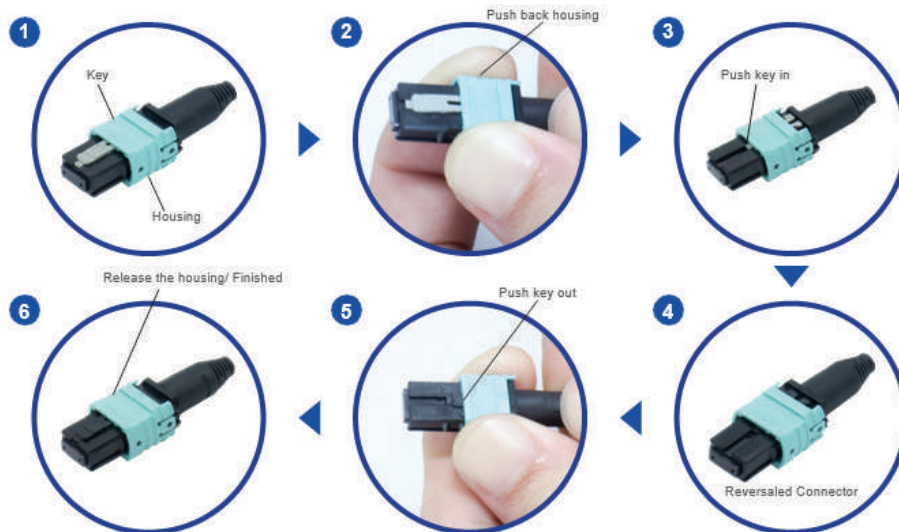
Features :

- Low insertion loss and back reflection loss
- Polarity changes 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

Specifications :

Parameter	Singlemode		Multimode	
	Standard	Low loss	Standard	Low loss
Insertion Loss	≤0.75 dB typical ≤ 0.5 dB	≤0.35 dB typical ≤ 0.2 dB	≤0.5 dB typical ≤ 0.35 dB	≤0.35 dB typical ≤ 0.2 dB
Return Loss	≥60 dB (APC)		≥30 dB (PC)	
Repeatability	≤0.1 dB			
Durability	≤0.2 dB typical change, 500 mating			
Interchangeability	≤0.2dB			
Tensile Strength	>70N			
Operation Temperature	-40 to + 85°C			

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





Applications :

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Features :

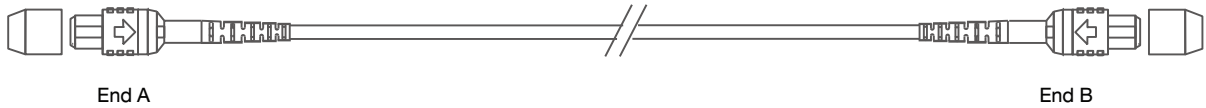
- Wavelength range 850-953 nm
- Low insertion loss and back reflection loss
- High precision alignment
- Good exchangeability
- High temperature stability
- Compatible with OM3 and OM4 patch

Specifications :

























Parameter	Multimode
Fiber Type	OM5 (50µm multimode fiber)
Wavelength Range	850-953 nm
Jacket Color	Lime Green
Furcation Color	Lime Green
Connector Type	MPO / MTP / LC / SC / FC / Customized
Connector Color	Customized
Regulatory Compliance	IEC 60793-2-10 / TIA-492AAAE/RoHS/ISO9001
Operation Temperature	-40 to + 85°C

























Casette and Adapter





























12 Core Patch cord

End A		>>> Polarity A <<<<	End B	
1/	Blue 		1/	Blue 
2/	Orange 		2/	Orange 
3/	Green 		3/	Green 
4/	Brown 		4/	Brown 
5/	Gray 		5/	Gray 
6/	White 		6/	White 
7/	Red 		7/	Red 
8/	Black 		8/	Black 
9/	Yellow 		9/	Yellow 
10/	Purple 		10/	Purple 
11/	Pink 		11/	Pink 
12/	Aqua 		12/	Aqua 

End A		>>> Polarity B <<<<	End B	
1/	Blue 	→	12/	Blue 
2/	Orange 	→	11/	Orange 
3/	Green 	→	10/	Green 
4/	Brown 	→	9/	Brown 
5/	Gray 	→	8/	Gray 
6/	White 	→	7/	White 
7/	Red 	→	6/	Red 
8/	Black 	→	5/	Black 
9/	Yellow 	→	4/	Yellow 
10/	Purple 	→	3/	Purple 
11/	Pink 	→	2/	Pink 
12/	Aqua 	→	1/	Aqua 

End A		>>> Polarity C <<<<	End B	
1/	Blue 	→	1/	Blue 
2/	Orange 	→	2/	Orange 
3/	Green 	→	3/	Green 
4/	Brown 	→	4/	Brown 
5/	Gray 	→	5/	Gray 
6/	White 	→	6/	White 
7/	Red 	→	7/	Red 
8/	Black 	→	8/	Black 
9/	Yellow 	→	9/	Yellow 
10/	Purple 	→	10/	Purple 
11/	Pink 	→	11/	Pink 
12/	Aqua 	→	12/	Aqua 

FIBER DISTRIBUTION FRAME



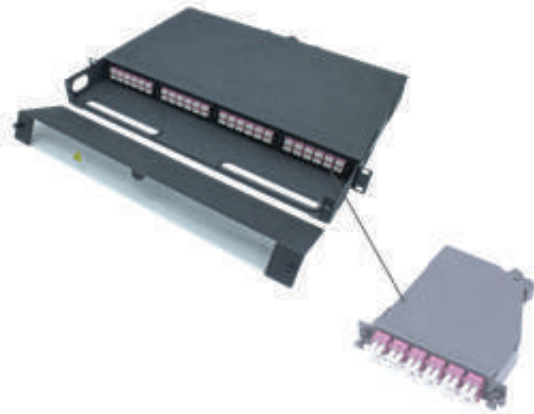
Applications :

- Telecommunication networks
- Data Center
- CATV and Multimedia
- Optical switch interframe connection
- Asynchronous Transmission Mode (ATM)

Features :

- Indoor cable distribution
- Fiber entries on top or bottom available
- High density and modular design
- Max. capacity up to 792 fibers
- No tools are needed during operation
- Customizable
- 19" standard cabinet
- Accomplishing scientific arrangement for patch cords with fiber storage units
- Suitable for inserting installation of SC, FC and ST adaptors
- Safety design in grounding and security door
- Top, bottom and rear openings for cable entry covered with removable blank panels

RACK MOUNT PATCH PANEL



Applications :

- Telecommunication networks
- Data Center
- CATV and Multimedia
- Optical switch interframe connection
- Asynchronous Transmission Mode (ATM)

Features :

- MPO 1U optical fiber patch panel can accommodate 4 MPO pre-terminated cassettes. If MPO panels are installed, the maximum cores can reach 288
- MPO 2U optical fiber patch panel can accommodate 8 MPO pre-terminated cassettes. If MPO panels are installed, the maximum cores can reach 576
- MPO 3U optical fiber patch panel can accommodate 12 MPO pre-terminated cassettes. If MPO panels are installed, the maximum cores can reach 864
- Made of high quality cold rolled steel plate;
- Multiple cable entry and patch cord exit for easy operation and management
- More than four times the density of traditional patch panels, greatly save the space of the cabinet
- Compliant with TIA / EIA604-D-2007 IEC61754-7-2008 series standards
- Modular design, 19-inch rack mount, easy for future expansion



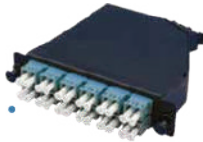
Applications :

- Telecommunication networks
- Data Center
- CATV and Multimedia
- Optical switch interframe connection
- Asynchronous Transmission Mode (ATM)

Features :

- Sliding tray design for 1U, 2U and 3U, the new type of the expansion and adequate operational space enable the highest density
- A variety of welding wiring signs enable easy welding and cabling records
- High density trunk cable with lesser bending radius enables easy storage and installation
- Connector module, 19 inch rack mount for easy installation and expansion
- Low insertion loss enables multi-level connections in complete fiber link when deploying TIA-942 compliant systems
- Customized branch cable assemblies for seamless integration with mainstream SAN switches
- Factory termination provides stable quality and ensures system reliability. It reduces installation time meet series standards of TIA / EIA604-5-D-2007 IEC61754-7-2008

MTP/MPO - LC SLIDING TYPE FIBER OPTICAL CASSETTE



Applications :

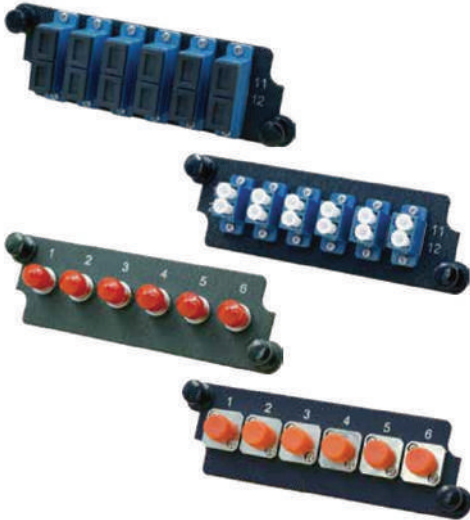
- Telecommunication networks
- Data Center
- CATV and Multimedia
- Optical switch interframe connection
- Asynchronous Transmission Mode (ATM)

Features :

- MPO fiber cassette is mainly used for data center
- Security transactions between MPO preterminated trunk cable and LC or SC connectors
- Installed in the 19" 1U - 3U fiber patch panels
- Excellent transmission performance is 100% factory preterminated and tested
- The adoption of universal polarity design ensures the correct fiber polarity and the variety of polarity to be chosen in the system
- Flexible expansion, modular design
- Super bend bright fiber, minimum fiber bending radius, minimized structure
- One hand operation
- Smooth upgrade to next generation data center of 40GbE and 100GbE applications
- Metal shell design, good intensity, effective protection for internal fiber branch parts
- Compliant with TIA / EIA604-D-2007 IEC61754-7-2008 series standards

Specifications :

	Parameter	Module IL(Max)
MM	Standard	1.0 dB
	Low Loss	0.7 dB
	Ultra Low Loss	0.35 dB
SM	Standard	1.0 dB
	Low Loss	0.7 dB
	Ultra Low Loss	0.5 dB



- Applications :**
- Telecommunication networks
 - Data Center
 - CATV and Multimedia
 - Optical switch interframe connection
 - Asynchronous Transmission Mode (ATM)

- Features :**
- High density ports, single adapter panel configurable with 24 IP adapter ports or 6 SC adapter ports or 6 MPO / MTP adapter ports;
 - High quality cold rolled steel, compliant with European ROHS standards
 - Clear connector coding mark
 - Flexible structure, adapter port configuration can be flexibly selected
 - Applicable to all types of industrial standard adapters
 - Cartridge installation for easy installation
 - Easy to upgrade to 40G / 100G network without changing the fiber management structures
 - Compliant with TIA / EIA604-D-2007 IEC61754-7-2008 series

LC UNIBOOT CONNECTOR WITH UP DOWN TOOL



- Applications :**
- CATV
 - Telecommunication networks
 - Active device termination
 - Metro
 - Local Area Networks (LANs)
 - Data processing network
 - Test equipment
 - Premise installations
 - Wide Area Networks (WANs)
 - FTTH

- Features :**
- A/B polarity reversible function of the LC connector
 - Seamless latching mechanism ensures a stable connection
 - Used for singlemode, multimode and APC applications
 - Simple installation and removal process with space utilization efficiency
 - Easy to engage and disengage from even the most compact panels

Specifications :

Parameter	Singlemode	Multimode
Insertion Loss	≤0.30 dB	≤0.30 dB
Return Loss	≥50 dB (PC), ≥60 dB (APC)	N/A
Durability	<0.20 dB, 500 mating	N/A
Operating Temperature	-40 to + 85°C	

