

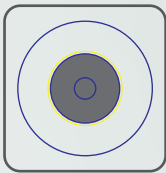
LC SWITCHABLE UNIBOOT PATCHCORD

Lightem Uniboot connector is developed for fulfilling the latest application scenario at where limited space is available and changing polarization is required. 3mm dual fiber cable achieves less space and easy cable management. No specific tool but hand is required for polarization switching. It is used in broad area of the communications environment, from a telecom distribution room to a local area network closet. Colour coding inner bodies help to identify the fiber channels correctly. Lightem one-piece design is made from precise zirconia A grade ferrules and plastic components which provides extremely fast assembly.

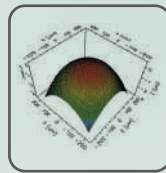
Features

- Compact, pull-proof design
- Switchable polarity by hand
- 3mm dual fiber cable for saving space
- Low insertion loss and low back reflection
- Colour code for different fiber channels
- High precision alignment

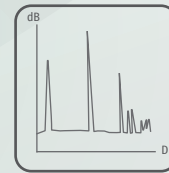
100% Lightem Assurance



Connector Surface Inspection

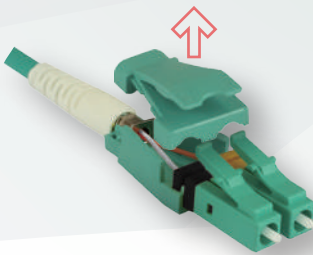


Geometric Inspection

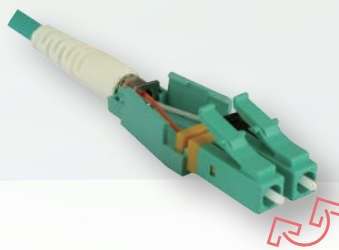


Optical Inspection

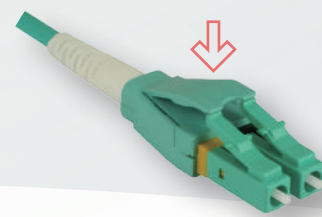
3-steps to switch



Open the top



Switch the polarity



Close the top

Specification

Parameters	Fiber Optic Connector:LC/UPC			
		Multimode	Multimode (MM)	Singlemode (SM)
Insertion Loss	dB	<0.3	<0.3	<0.3
Return Loss	dB	>30	>30	>50
Operating Wavelength	nm	830/1300	830/1300	1310/1500
Body Color	/	AQUA	BEIGE	BLUE
Cable Type	mm	3mm	3mm	3mm
Exchange Ability	dB		≤0.2	
Vibration	dB		≤0.2	
Operating Temperature	°C		-40~75	
Storage Temperature	°C		-45~85	

Product Diagram



NOTES

- CONNECTOR:
 1.1 INSERTION LOSS: <0.3DB MAX, RETURN LOSS(SINGLE MODE): ≤-50DB MAX, RETURN LOSS(MULTIMODE): ≤-45DB MAX;
 TEST METHOD: IEC61753-1 CAT C;
 1.2 MECHANICAL AND ENVIRONMENTAL REQUIREMENT: GR-1435-CORE;
 1.2.1 CABLE RETENTION ≥10 (B(45N));
 1.2.2 MATING DURABILITY: 500 CYCLES;
 1.2.3 THERMAL CYCLE TEST: TEMPERATURE: -10°C~60°C ;
 1.2.4 OTHER REQUIREMENTS NOT MENTIONED WILL FULFILL THE REFERENCE STANDARDS OF GR-1435-CORE;
 1.3 END-FACE GEOMETRY CRITERIA: REQUIREMENTS FOR FERRULE OF LC CONNECTOR SHALL MEET THE REQUIREMENTS AS FOLLOWS(IEC61755)
 1.4 VISUAL INSPECTION
 TEST METHOD: IEC61300-3-1 AND IEC61300-3-35
 REQUIREMENTS:
 A.NO CRACK, DISTORTION, DAMAGE AND OTHER POTENTIALLY SERVICE AFFECTING DAMAGE TO THE CABLE ASSEMBLY ELEMENTS.
 B.FERRULE END-FACE CRACKS, CHIPS OR SCRATCHES AT 400X MAGNIFICATION.

1.5 OTHER REFERENCE STANDARDS : TIA-604-5(FOCIS5);IEC-61754-7;IEEE802.3BA;
 1.6 TOLERANCE FOR "L"

L≤10m	L ^{+0.1} ₋₀ m
L>10m	L ^{+0.1} ₋₀ m

2.CABLE
 2.1 CROSS SECTION



Ordering Information

Fiber type	Connector type 2	Cable Type	Lenght(m)	Cable Material
SM - Singlemode	XX - Pigtail	Type A	0010 -1m	P-PVC
S5 - SM G655	Singlemode Type	31AS - 3mm simplex	0015 -1.5m	L-LSZH
S6 - SM G657A1	FU - FU/UPC	32A1 - 3mm Round	-----	
S7 - SM G657A2(B)	FA - FU/APC	32A2 - 3mm zipcord	0990-99m	
M6 - MM OM1 62.5/125µm	CU - SU/UPC	32A4 - 4mm x1(4 core)		
M5 - MM OM2 50/125µm	CA - SC/APC	Type B		
O3 - MM OM3 50/125µm	TU - ST/UPC	31BS - 3mm simplex		
O4 - MM OM4 50/125µm	LU - LC/UPC	32B1 - 3mm Round		
	LA - LC/APC	32B2 - 3mm zipcord		
	MJ - MU/UPC	32B4 - 4mm x1(4 core)		
	MP - MTRJ w/o pin			
	MU - MTRJ with pin			
	EU - E2000/UPC			
	EA - E2000/APC			
	DN - DIN/UPC			
	D4 - D4/UPC			
	FD - FDDI			
	Multimode Type			
	FC - FC			
	SC - SC			
	ST - ST			
	LC - LC			
	ES - ESCON			
	FD - FDDI			
	MJ - MTRJ			
	MP - MTRJ with pin			
	S5 - SMA 905			
	S6 - SMA 906			

S 5 F U 3 1 A S 0 1 0 0 P

*Ordering code example