

Uniboot Optical Patch cord_LC

1. Description

Uniboot patch cords is fully compatible with the original family of singlemode and multimode connectors, adapters and associated components. Uniboot Patch Cords uses only one cable even it has two fibers. It has a single boot at the back of the duplex connector. Two fibers for duplex transmission are firmly enclosed in a single cable, which can cut down the cable count up to 50% compared with the traditional duplex patch cords. The space requirement of cabling can be significantly reduced by uniboot fiber patch cable.



2. Features

- Low Insertion Loss, High Return Loss
- Good Repeatability, Good Exchangeability
- UPC or 8-degree APC for Singlemode, PC for Multimode.
- LSZH or PVC jacket as customer requires.
- Custom order length, any length if you want.
- Cable color as international standard yellow for Singlemode, orange for multimode, aqua for OM3, other colors available with 1KM MOQ or if we have stock.

3. Application

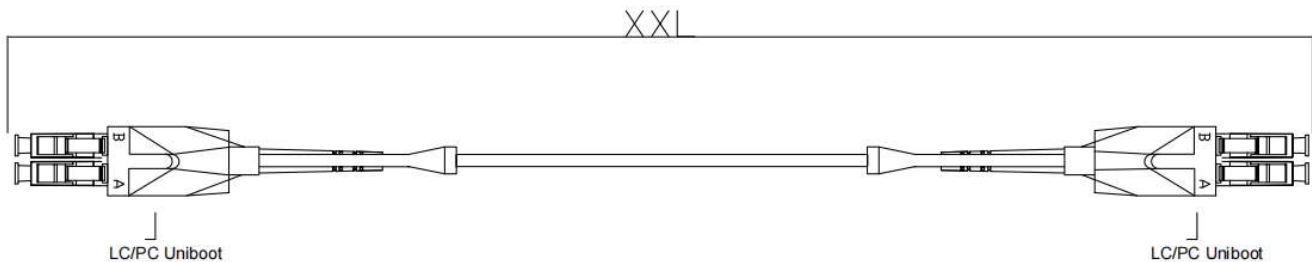
- Optical fiber communication system
- Optical access network
- Optic-fiber Data Communication
- Optical-fiber CATV
- A local area network (LAN)
- Test Equipment

4. Specification

Patch cord Parameter

Mode	SM		MM
Polish	UPC	APC	PC
Insertion Loss	Typical $\leq 0.2\text{dB}$ Maximum $\leq 0.3\text{dB}$		$\leq 0.30\text{ dB}$
Return Loss	$\geq 50\text{dB}$	$\geq 60\text{dB}$	$\geq 35\text{dB}$
Interchangeability	$\leq 0.2\text{dB}$		
Repeatability	$\leq 0.1\text{dB}$ (1000 times)		
Durability	$\leq 0.2\text{dB}$ (1000 times mating)		
Tensile Strength	$> 10\text{kg}$		
Temperature	$\leq 0.2\text{dB}$ (-40+85 sustain 100 hours)		
Humidity	$\leq 0.2\text{dB}$ (+25+65 93 R.H.100 hours)		
Operating Temperature	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$		
Storage Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$		
connector materials	Ceramic plug core		
-Type: Simplex, Duplex, Type: PVC, LSZH,			

5. Drawing for LC Uniboot Duplex OM4/OM3 3.0mm LSZH



Construction			
NO	Item	Main cable	Material
1	Cable	MM OM4 or OM3 DX 3.0MM	LSZH