

Fiber Patch Cable



Description

Fiber patch cables, also known as fiber optic patch cords or fiber jumpers, are used to connect optical transceivers, network equipment, fiber distribution panels, testing instruments, and other fiber optic devices for reliable and low-loss optical signal transmission.

Firsol provides customized fiber patch cable solutions for telecommunications networks, data centers, enterprise networks, industrial systems, and laboratory applications. Available fiber types include OS2 single-mode fiber and OM1, OM2, OM3, OM4, and OM5 multimode fibers. Customers can select LC, SC, FC, ST, and E2000 connectors with UPC or APC polishing options.

Firsol also supports customized fiber count, fiber length, cable diameter, cable jacket material, cable color, connector combinations, and other specifications to meet different installation, transmission, and application requirements.

Features

- Low Insertion Loss
- High Return Loss
- High Stability and Reliability

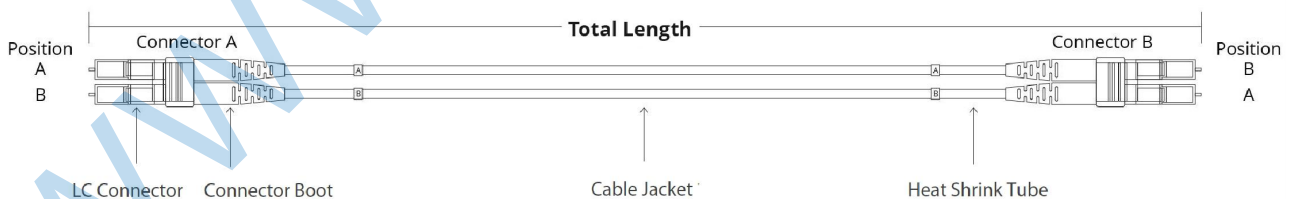
Applications

- Telecommunication
- CATV, FTTH, LAN
- Optical Transmission System

Specifications

Parameter	Unit	LC, SC, FC, E2000				ST	
		SM		MM		SM	MM
		UPC	APC	UPC	APC	UPC	UPC
Operating Wavelength	nm	1310/1550		850/1300		1310/1550	850/1300
Insertion Loss	dB	≤0.3	≤0.3	≤0.3		≤0.3	≤0.3
Return Loss	dB	≥50	≥60	≥35		≥50	≥35
Repeatability	dB	≤0.1					
Interchangeability	dB	≤0.2					
Fiber Type	-	OS2/OM1/OM2/OM3/OM4/OM5					
Fiber Count	-	Simplex/Duplex/6 Fibers/12 Fibers					
Connector Durability	times	≥1000					
Operating Temperature	°C	-10 to +70					
Storage Temperature	°C	-40 to +85					

Product Structure



Ordering Information

							
Fiber Type	Fiber Count	Fiber Length	Cable Diameter	Cable Jacket	Cable Color	End A	End B
OS2 9/125µm	Simplex	1m	2.0mm	PVC	Yellow	LC/UPC	LC/UPC
OM1 62.5/125µm	Duplex	2m	3.0mm	LSZH	Blue	LC/APC	LC/APC
OM2 50/125µm	6 Fibers	3m			Green	SC/UPC	SC/UPC
OM3 50/125µm	12 Fibers	5m			Red	SC/APC	SC/APC
OM4 50/125µm		10m			Aqua	FC/UPC	FC/UPC
OM5 50/125µm		15m			Black	FC/APC	FC/APC
		20m			Brown	ST/UPC	ST/UPC
		30m			Orange	ST/APC	ST/APC
		50m			Rose	E2000/UPC	E2000/UPC
		100m			Slate	E2000/APC	E2000/APC
		200m			Violet		
					White		