

Fiber Optic Patch Cord Cables



Features

- Low insertion loss
- High back reflection loss
- Stable capability and high reliability
- Excellent mechanical capability
- Boots in a variety of colors
- PVC jacket as default, LSZH jacket for choose

Description

Optical fiber patch cords, alternatively known as fiber jumpers, optical wires, or fiber optic connectors, are indispensable elements for efficient fiber optic communication systems.

Fibramérica presents a wide-ranging catalog of fiber optic patch cords featuring various types of connectors, including LC, SC, FC, ST, MU, MTRJ, and E2000. These cords are crafted from top-grade materials and undergo rigorous testing for both insertion and return loss, ensuring they meet high-performance and quality standards. The LC series of fiber optic patch cords is particularly versatile, offering configurations like LC-to-LC, LC-to-SC, LC-to-FC, and LC-to-ST in both simplex and duplex fiber types. Additionally, customization options are available for fiber types such as OS1, OS2, OM1, OM2, OM3, and OM4, along with choices for different lengths.

Application

- Optical fiber communications system
- Optical fiber access networks
- Optical fiber CATV
- Optical fiber test equipment
- Optical fiber data communication
- Premises Distribution
- Local Area Networks (LAN)
- Fiber-to-the-Home (FTTX)
- Device Terminations

General Specifications

Specification	FC, SC, LC, ST, MU, MTRJ, E2000, D4			
	Single-mode			Multi-mode
	PC	UPC	APC	PC
Insertion Loss	≤0.3dB	≤0.2dB	≤0.3dB	≤0.3dB
Return Loss	≥45dB	≥50dB	≥60dB	≥20dB
Repeatability	≤0.2dB			
Changeability	≤0.1dB			
Vibration	≤0.2dB			
Length Tolerance	+/- 1cm			
Operating Temperature	-20 ~ +70°C			
Storage Temperature	-40 ~ +85°C			
Cable Diameter	φ3.0mm, φ2.0mm, φ0.9mm			
Jacket Material	PVC or LSZH or customized			
Jacket Color	Singlemode: Yellow OM1: Orange OM2: Orange OM3: Aqua OM4: Aqua or Violet			
Tensile strength	70N			

Fiber Patch Cable Part Numbers

FABPAC	-	LC	-	SC	-	OM1	-	D	1M	-	20	-	PV
		1		2		3		4	5		6		7

1	2	3	4	5	6	7
Connector A	Connector B	Fiber Mode	Fiber Count	Length	Fiber diameter	Jacket
LC=LC/UPC		2D= G652D	S=S=Simplex	1M=1M=1meter	09=09=0.9mm	PV=PV=PVC
LCA=LC/APC		A1= G657A1	D=D=Duplex	2M=2M=2meter	20=20=2.0mm	LS=LS=LSZH
SC=SC/UPC		A2= G657A2		3M=3M=3meter	30=30=3.0mm	
SCA=SC/APC		B3= G657B3		4M=4M=4meter		
ST=ST/UPC		OM1=OM1 62.5µm		xxM=xxM=xxmeter		
STA=ST/APC		OM2=OM2 50µm				
FC=FC/UPC		OM3=OM3 10G 50µm				
FCA=FC/APC		OM4=OM4 10G 50µm				
MU=MU/UPC		OM1=OM1 62.5µm				
MUA=MU/APC		OM2=OM2 50µm				
MPO=MPO/UPC		OM3=OM3 10G 50µm				
MPOA=MPO/APC						
E2000=E2000/UPC						
E2A=E2000/APC						
SMA=SMA/UPC						
SMAA=SMA/APC						
DIN=DIN/UPC						
DINA=DIN/APC						
MTRJ=MTRJ/UPC						
MTRJA=MTRJ/APC						
E2000=E2000/UPC						
E2A=E2000/APC						
SMA=SMA/UPC						
SMAA=SMA/APC						
DIN=DIN/UPC						
DINA=DIN/APC						
MTRJ=MTRJ/UPC						
MTRJA=MTRJ/APC						
D4=D4/UPC						
D4A=D4/APC						

Example: LC to FC Fiber Optic Patch Cable

Part number	Description
FABPAT-LC-FC-2D-S1M	1M LC/UPC-FC/UPC Simplex 9/125µm Single Mode Fiber Optic Patch Cable
FABPAT-LC-FC-2D-D1M	1M LC/UPC-FC/UPC Duplex 9/125µm Single Mode Fiber Optic Patch Cable
FABPAT-LC-FC-OM1-S1M	1M LC/UPC-FC/UPC Simplex Multimode 62.5/125µm OM1 Fiber Optic Patch Cable
FABPAT-LC-FC-OM1-D1M	1M LC/UPC-FC/UPC Duplex Multimode 62.5/125µm OM1 Fiber Optic Patch Cable
FABPAT-LC-FC-OM2-S1M	1M LC/UPC-FC/UPC Simplex Multimode 50/125µm OM2 Fiber Optic Patch Cable

FABPAT-LC-FC-OM2-D1M	1M LC/UPC-FC/UPC Duplex Multimode 50/125µm OM2 Fiber Optic Patch Cable
FABPAT-LC-FC-OM3-S1M	1M LC/UPC-FC/UPC Simplex Multimode 50/125µm 10G OM3 Fiber Optic Patch Cable