
Fiber Optical Patch cord

A patch cord is a fiber optic cable used to attach one device to another for signal routing. It includes LC/SC/ST/FC...



LC stands for Lucent Connector. It is a small form-factor fiber optic connector, half the size of the SC.

SC stands for Subscriber Connector- a general purpose push/pull style connector. It is a square, snap-in connector latches with a simple push-pull motion and is keyed.

ST stands for Straight Tip- a quick release bayonet style connector. ST connectors are cylindrical with twist lock coupling. They are push-in and twist types.

FC stands for Fixed Connection. It is fixed by way of a threaded barrel housing. FC connectors are generally constructed with a metal housing and are nickel-plated.

Features:

- Low insertion loss, high return loss
- Small, light, high dense connection
- Standard exact plastic material
- High credibility and stability
- Good in repeatability and exchangeability

Application:

- Testing equipment
- FTTX+LAN
- Optical fiber CATV
- Optical communication system
- Telecommunication

Specification:

Parameter	Unit	FC, SC, LC				ST, MU			MT-RJ, MPO			E2000	
		SM			MM	SM		MM	SM		MM	SM	
		PC	UPC	APC	PC	PC	UPC	PC	PC	UPC	PC	PC	APC
Insertion loss(typical)	dB	≤0.3	≤0.2	≤0.3	≤0.2	≤0.3	≤0.2	≤0.2	≤0.3	≤0.2	≤0.2	≤0.3	≤0.3
Return loss	dB	≥45	≥50	≥60	≥30	≥45	≥50	≥30	≥45	≥50	≥35	≥55	≥75
Operating wavelength	nm	1310, 1510				1310, 1510			1310, 1510			1310, 1510	
Exchangeability	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Vibration	dB	≤0.2				≤0.2			≤0.2			≤0.2	
Operating temperature	℃	-40~75				-40~75			-40~75			-40~75	
Storage temperature	℃	-45~85				-45~85			-45~85			-45~85	
Cable diameter	mm	φ3.0, φ2.0, φ0.9				φ3.0, φ2.0, φ0.9			φ3.0, φ2.0, φ0.9			φ3.0, φ2.0, φ0.9	

Ordering Information:

LC/ UPC-LC/ UPC-SM- DX-Φ3.0-PVC-2M

① ② ③ ④ ⑤ ⑥ ⑦

- ① Connector type: FC, SC, LC, ST, MTRJ, MU, E2000, MPO, DIN, D4, SMA
- ② Ferrule End-face: PC, UPC, APC
- ③ Core Type: Single-mode (SM: 9/125um), Multimode (MM: 50/125um or 62.5/125um)
- ④ Cable Quantity: "DX" means Duplex / "SX" means Simplex
- ⑤ Cable Diameter: Φ3.0mm, Φ2.0mm, Φ0.9mm
- ⑥ Cable type: PVC, LSZH, OM3, OFNR, OFNP
- ⑦ Cable Length: 1, 2, 3 meter or customized

Image for reference:

