

## Fiber Optical Patch Cord

### Features:

- ◆ High dense spaces
- ◆ Low insertion loss, high return loss
- ◆ Excellent mechanical endurance
- ◆ High credibility and stability
- ◆ Good in repeatability and exchangeability
- ◆ 100% Insertion, Return Loss, End Face and Interference inspection

### Applications:

- ◆ Telecommunication
- ◆ CATV, FTTH, LAN
- ◆ Fiber optic sensors
- ◆ Optical transmission system
- ◆ Test equipment

### Description:

Fiber optic patch cord is used for linking the equipment and components in fiber optic network, is comprised of a polymer outer body and inner assembly fitted with a precision alignment mechanism. The combination of a ceramic/phosphor bronze alignment sleeves and precision molded polymer housing provides consistent long-term mechanical and optical performance.

HighEasy offer kinds of fiber patch cord, such as FC, SC, ST, LC, MU, MTRJ, MPO, E2000 series, available for PC/UPC/APC version, provide with SM, MM, OM3 fiber cable, simplex and duplex types, 0.9mm, 2.0mm, 3.0mm cable diameter for choose, different fiber length by customers request.

**Performance Specifications:**

Parameter	Unit	FC, SC, LC				ST, MU			MTRJ, MPO			E2000	
		SM			MM	SM		MM	SM		MM	SM	
		PC	UPC	APC	PC	PC	UPC	PC	PC	UPC	PC	PC	APC
Insertion Loss	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
Repeatability	dB	≤0.1											
Durability	dB	≤0.2dB typical change, 1000 matings											
Operating Temperature	°C	-20 ~ +75											
Storage Temperature	°C	-40 ~ +85											

**Nomenclature:**

Connector 1	Connector 2	Fiber Core	Cable Diameter	Fiber Type	Polishing	Cable Jacket	Cable Color	Fiber Length
LC	LC	Simplex Duplex	0.9mm 2.0mm 3.0mm	SM:9/125um MM:50/125um MM:62.5/125um OM3	PC UPC APC	PVC LSZH	Yellow Orange Aqua others	1M
SC	SC							2M
FC	FC							3M
ST	ST							...
D4	D4							10M
MU	MU							20M
DIN	DIN							30M
SMA	SMA							...
MPO	MPO							
MTRJ	MTRJ							
E2000	E2000							
...	...							