

Fiber optic patch cord and pigtail Technical Specification

1. Description

Fiber optic patch cord and pigtail can be classified to FC, SC, LC, MU and ST. With the high-quality ceramic ferrules, it has good conformity and low Insertion Loss. And it is widely used in the Telecommunication Networks, Data Transmission, Test Equipment and the LAN of CATV etc.

2. Feature

- ❖ Low insertion loss and high return loss;
- ❖ Good repeatability & interchangeability;
- ❖ PC, UPC, APC polishing; FC, SC, ST, LC, MU connector;
- ❖ Suitable for high-speed, high-capacity optical fiber transmission system;
- ❖ Provide single mode/ multimode patch cord and pigtails;
- ❖ Fiber diameter: $\Phi 0.9\text{mm}$, $\Phi 2.0\text{mm}$, $\Phi 3.0\text{mm}$;
- ❖ Length/Type: according to customers' demands.

3. Application

- Optical fiber communications system;
- Optical fiber access networks;
- Optical fiber CATV;
- Optical fiber test equipments;
- Optical fiber data communication;

4. Product pictures



5. Technical standard

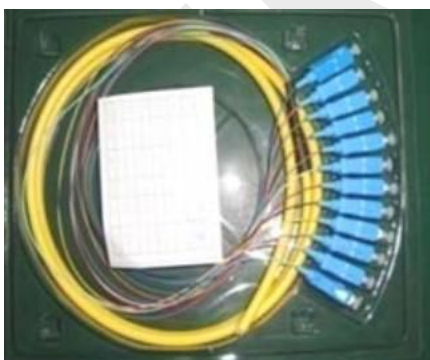
5.1 Technical parameters

No.	Item	Unit	Single Mode			Multi Mode
1	Insertion loss	dB	≤0.3			≤0.3
2	Return loss	dB	PC	UPC	APC	/
			≥45	≥50	≥55	
3	Repeatability	dB	0.1			
4	Working Times	Times	≥1000			
5	Operating Temperature	℃	-40~85			
6	Optical Cable Diameter	mm	Φ0.9, Φ2.0, Φ3.0			

5.2 3D Specification

Item	PC Polishing		APC Polishing		Schematic Diagram
	2.5	1.25	2.5	1.25	
Ferrule Diameter (mm)	2.5	1.25	2.5	1.25	
Radius of Curv (mm)	10~25	7~25	5~15		
Fiber Height (um)	-100~50		±50		
Apwex Offset (um)	±50		±50		

6. Package



7. Ordering Information A—B—C—D—E—F—G

A	B	C	D	E	F	G
Mode	Device Type	Core Number	Fiber Type	Fiber Diameter	Fiber Length	Connector
S:SM	1: patch cord	01:1 Core	5:50/125	25:250um	05:0.5m	OO:None
M:MM	2:Bunchy Pigtail	6:62.5/125	90:900um	10:1.0m	FP: FC/PC
P:PM	3:Ribbon pigtail	12:1 Core	9: 9/125	20:2.0mm	15:1.5m	FA: FC/APC
		X: Others	12:125/245	30: 3.0mm	20:2.0m	SP: SC/PC
			X: Others	X: Others	30:3.0m	SA: SC/APC
					X:Others	STP: ST/PC
						STA:ST/APC
						LP: LC/PC
						LA: LC/APC
						X:Others