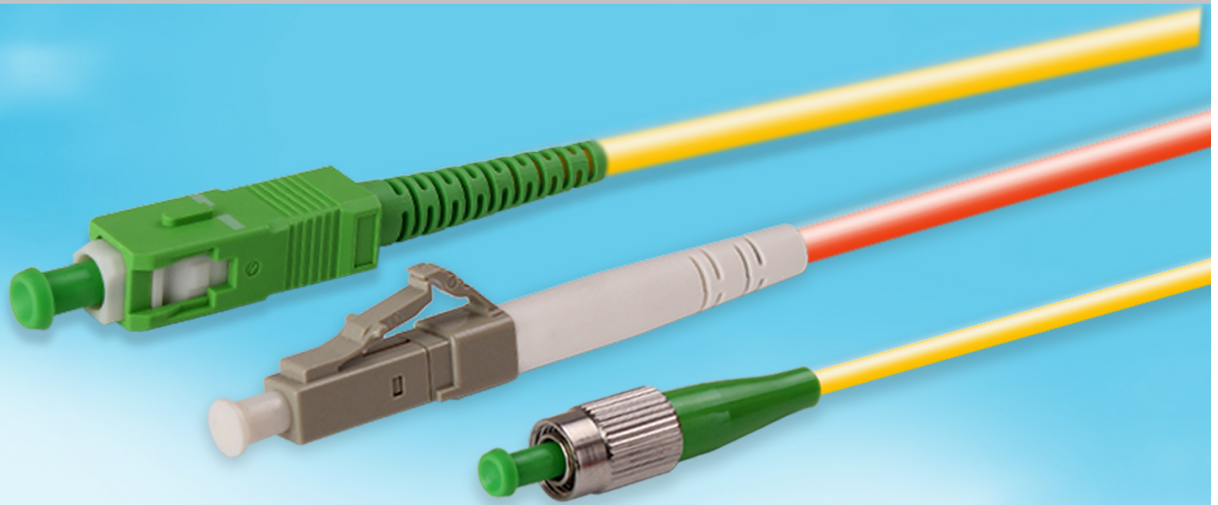




## OPTICAL PATCH CORDS

- Product Features
- Technical Information





## Technical Information

Fiber optic patch cords and pigtails provide interconnect and cross-connect of applications over installations in entrance facilities, telecommunications rooms, data centers and at the desk. Patch cords support network applications in main, horizontal and equipment distribution areas and are available in riser (OFNR), and low smoke zero halogen (LSZH) rated jacket materials to comply with local cabling ordinances. Pre-terminated fiber optic pigtails support fusion splice field termination applications. Fiber optic patch cords and pigtails are available in OM4, OM3, OM2, OM1, or OS1/ OS2 fiber types to meet the demands of Gigabit Ethernet, 10 Gigabit Ethernet and high speed Fibre Channel.

## Application

Provide interconnect and cross-connect of applications in entrance facilities, telecommunications rooms, data centers, at the desk and network applications to interconnect pre-terminated cassettes in main distribution, horizontal distribution, and equipment distribution areas.

## FEATURES

- High quality zirconia ferrules
- PC radius ferrule tip
- 100% insertion loss
- Low mated pair insertion loss
- High quality nickel-plated die-cast ST nut
- Precision engineered plastic SC housings
- Wide temperature operating range
- UL-VO flammability rating on polymer materials



## BENEFITS

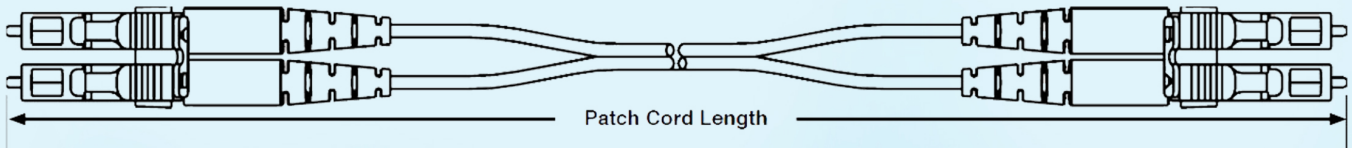
- ▶ High performance and superior durability
- ▶ Lower back reflection and insertion loss
- ▶ Verified optical performance
- ▶ Minimum impact on signal budget
- ▶ corrosion resistance
- ▶ Consistently repeatable mating
- ▶ Environmental stability
- ▶ Acceptable for a variety of applications



# Technical Specification

■ Fiber Optic Performance				
Connector	FC, SC, ST, LC, MU			
Mode	Single Mode G652D, G65A			Multi Mode OM1, OM2, OM3, OM4
Endface Application	PC	UPC	APC	PC
dB Insertion Loss	≤ 0.3	≤ 0.2	≤ 0.3	≤ 0.3
dB Return Loss	≥ 45	≥ 50	≥ 65	----
(mm) Cable Dia.	Φ3, Φ2, Φ0.9			
Vibration	≤ 0.2 dB ( 5 ~ 50Hz , 1.5mm Amplitude )			
Temp. Range	≤ 0.2 dB ( -40° C ~ 80° C, 21, Cycles )			

● Geometric Specification of Finished End-Face			
Endface Polishing		PC	APC
Radius of Curvature	SC	7 ~ 30 mm	5 ~ 12 mm
	LC	7 ~ 30 mm	5 ~ 12mm
	FC	7 ~ 30 mm	5 ~ 12 mm
	ST	7 ~ 30 mm	5 ~ 12 mm
	MU	7 ~ 30 mm	5 ~ 12 mm
Apex Offset		≤ 70 um	
Fiber Spherical Height		-100 nm (  ), +100 nm (  )	
Angular Offset		-----	8° ± 0.5° C



## Ordering Information

part number:

**DC-F-PC-1-SCP-SCP-SM-09-P-YE-01**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- |                     |  |
|---------------------|--|
| ① Fiber Core        | <b>1:</b> Simplex; <b>2:</b> Duplex  |
| ② Connector A type  | <b>SCP:</b> SC/PC; <b>SCA:</b> APC; <b>FCP:</b> FC/PC; <b>FCA:</b> FC/APC; <b>LCP:</b> LC/PC; <b>LCA:</b> LC/APC |
| ③ Connector B Type  | <b>SCP:</b> SC/PC; <b>SCA:</b> APC; <b>FCP:</b> FC/PC; <b>FCA:</b> FC/APC; <b>LCP:</b> LC/PC; <b>LCA:</b> LC/APC |
| ④ Fiber Type        | <b>SM:</b> 9/125; <b>M5:</b> 50/125; <b>M6:</b> 62.5/125; <b>OM:</b> OM3 50/125                                  |
| ⑤ Cable diameter    | <b>09:</b> 0.9mm; <b>16:</b> 1.6mm; <b>20:</b> 2.0m; <b>30:</b> 3.0mm  |
| ⑥ Cable jacket type | <b>P:</b> PVC; <b>L:</b> LSZH  |
| ⑦ Cable color       | <b>YE:</b> YELLOW; <b>OR:</b> ORANGE, <b>AQ:</b> AQUA, other on request  |
| ⑧ Length (m)        | <b>01 - 200</b>  |





 **Manufacturing Unit: 1**  
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 **Manufacturing Unit: 2**  
**Coimbatore, Tamil Nadu**

**Saibaba Infocom Pvt.Ltd.**  
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