Standard Fiber Patch Cables





TANGPIN TECH provides a high precise optical patchcord for the construction of optical network. We give user a wide choice of patchcord's connectors, including ST, FC, SC, LC, and etc. with PC, UPC or APC polishing. Grandway patchcord is composed of high-grade connectors and the ferrule is made of zirconia. Customer can order the common type patchcord we offer as well the special type customized by customer for special application.

Standard Fiber Patch Cables

Fiber optic patch cables are ideal for supporting high speed telecommunication network fiber applications. They are manufactured and tested in compliance with TIA 604 (FOCIS), IEC 61754 and YD/T industry standards. OM1, OM2, OM3, OM4, OM5 or OS2 fiber types are available to meet the demand of Gigabit Ethernet, 10 Gigabit Ethernet and high speed Fiber Channel. Every termination is through rigorous parameter test to ensure the highest network performance.

Standards Compliance

- RoHS, ISO 9001 Compliant
- TIA/EIA 492AAAE
- IEC 61754
- IEC 60793-2-10
- IEC 61300-3-35
- YD/T1272.1-2003

Features

- High quality zirconia ferrules
- Good repeatability and interchangeability.
- LC, SC, ST, FC, LSH, MTRJ, MU connectors are available
- Flame-retardant, rugged and durable jacket
- Printing helps clarify and recognize different cables
- OS2/OM1/OM2/OM3/OM4/OM5 are available
- Flame-retardant, rugged and durable jacket
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- Factory terminated and tested for insertion loss, return loss and end face.

Technical specifications

Characteristics	Description
Connector Types End A	LC/SC/ST/FC/LSH/MTRJ/MU
Connector Types End B	LC/SC/ST/FC/LSH/MTRJ/MU
Polish Type	PC: Physical Contact UPC: Ultra PC APC: Angled PC
Connector Ferrule	Zirconia Ceramic
Cable Outside Diameter	0.9mm/1.8mm/2.0mm/3.0mm
Interchangeability	≤0.2dB
Vibration	≤0.2dB
Minimum Bend Radius	SMF: 10mm; MMF: 7.5mm/15mm
Fiber Type	SM: Single Mode 9/125 (OS1/OS2) MM: Multi Mode OM1 62.5/125 OM2 50/125 10G OM3 OM4
Fiber Count	Simplex/Duplex
Cable Jacket	PVC/LSZH/OFNP
Jacket Color	OM1/OM2: Orange; OM3/OM4: Aqua; OM5: Lime Green; OS1/OS2: Yellow
Connector Insertion Loss	SMF: LC/SC/ST/FC/MU/LSH≤0.3dB; MMF: LC/SC/ST/FC/MU≤0.3dB; LSH≤0.4dB
Connector Return Loss	SMF: UPC/PC≥50dB; APC≥60dB; MMF: ≥30dB
Attenuation at 1310nm	0.36dB/km
Attenuation at 1550nm	0.22dB/km
Attenuation at 850nm	3.0dB/km
Attenuation at 1300nm	1.0dB/km
Operating Temperature	-20~70℃
Storage Temperature	-40~80℃
Length	optional
Color Pantone	Cord jacket:Orange, Yellow, Rose, Aqua, White, Green, Purple,Black,Red Connector body: Beige,White,Black,Red,Green,Blue Connector boot color: Beige,White,Black,Red,Green,Blue

Optic Fiber Connectors

LC Connector



Long Form

• Lucent Connector/Little Connector/Local Connector

Typical Applications

• High-density connections, SFP and SFP+ transceivers, XFP transceivers

SC Connector



Long Form

• Subscriber Connector/Square Connector/Standard Connector

Typical Applications

• Datacom and telecom; GPON; EPON; GBIC

FC Connector



Long Form

• Ferrule Connector or Fiber Channel

Typical Applications

• Datacom, telecom, measurement equipment, single mode lasers

ST Connector



Long Form

• Straight Tip

Typical Applications

• Datacom

MU Connector



Long Form

• Miniature Unit

Typical Applications

• LANs and telecommunication networks

E2000 Connector



Typical Applications

• Telecom, DWDM systems