

Patch Cords



Description

Fiber optic patch cords, terminated with standard connectors including LC, SC, FC, ST, E2000, MU, and MT-RJ etc., provide reliable point-to-point optical connectivity in telecom and data networks. Supporting both single-mode and multimode fibers, with multiple end-face polishing options, they ensure stable transmission performance across diverse applications. A wide range of configurable options enables flexible adaptation to different cabling and deployment requirements.

Features

- Available with LC, SC, FC, ST, E2000, MU, MT-RJ and other standard connectors
- PC / UPC / APC end face polish options
- Supports single-mode and multimode fiber types
- Flexible configuration in cable structure and connector combinations
- 100% factory terminated and tested

Applications

- Data centers and structured cabling systems
- Ethernet networks and telecom infrastructure
- FTTH and access networks
- Backbone, horizontal, and riser cabling
- Video, data, and voice transmission

Standard Compliance

- TIA-568.3-D
- TIA-604 series
- IEC 61754 series
- IEC 61753-1
- Telcordia GR-326-CORE
- RoHS Compliant

General Specification

Constructions	Descriptions
Fiber Count	Simplex or Duplex
Fiber Mode	Single mode: G.652/G.657
	Multimode: OM1/OM2/OM3/OM4
Cable Jacket Material	Low Smoke Zero Halogen (LSZH)
	PVC
Cable Jacket Ratings	Riser (OFNR)
	Plenum (OFNP)
Cable Jacket Color	G.652/G.657: Yellow
	OM1/OM2: Orange
	OM3: Aqua
	OM4: Aqua/Magenta
	Customized
Polarity	Type A, Type B (TIA-568.3-D)
Connector type	FC/SC/LC/MU/ST/MTRJ/SMA etc.
Endface polish	PC/UPC/APC
Operating Temperature	-10 °C to +60 °C
Storage Temperature	-40 °C to +85 °C

Technical Specification

Optical Properties	Single-mode	Multimode
Insertion Loss (dB)	UPC ≤ 0.2; APC ≤ 0.3	UPC ≤ 0.2
Return Loss (dB)	UPC ≥ 50; APC ≥ 60	UPC ≥ 25
Wavelength (nm)	1310/1550	850/1300
Durability	≤ 0.2(dB) Typical change, 500 matings	

Typical Cable Structure

