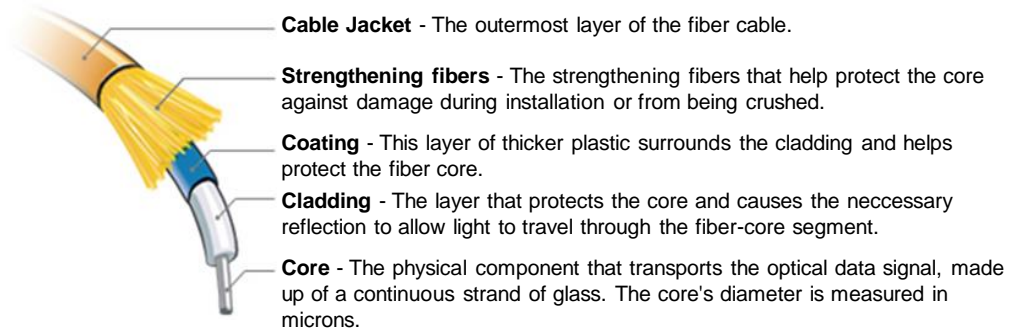


FIBER OPTIC PATCH CORD CABLE

The Construction of a Fiber-Optic Cable



Features:

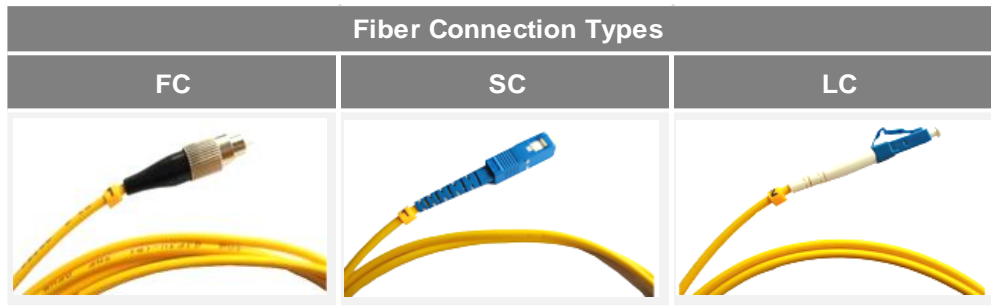
- ◆ PC,UPC,APC Multi skive project
- ◆ High return loss
- ◆ Low insertion loss
- ◆ High reliability and stability

Application:

- ◆ Telecommunication
- ◆ Testing equipment
- ◆ Long-haul telecommunication
- ◆ LAN system
- ◆ CATV systems

Specification:

Types	Single mode	Multi mode
Diameter (mm)	Φ0.9, Φ2.0, Φ3.0	
Fiber cable	Simplex or Duplex available	
Operating Wavelength	1310, 1550nm	
Insertion Loss (dB)	≤ 0.3 (PC)	≤ 0.5 (PC)
	≤ 0.3 (UPC)	≤ 0.5 (UPC)
	≤ 0.3 (APC)	
Return Loss (dB)	≥ 45 (PC)	≥ 35 (PC)
	≥ 50 (UPC)	≥ 40 (UPC)
	≥ 60 (APC)	
Exchangeability	≤ 0.2 dB	
Repeatability	≤ 0.2 dB	
Operating Temperature	-40 to +75 °C	
Storage Temperature	-40 to +85 °C	



Ordering Information

P/N	DESCRIPTION	TYPE
FIBER OPTIC PATCH CORD / SINGLEMODE		= 9/125
NT-XXXXX	ST-ST, Singlemode, 9/125, Simplex Patch cord	Length as require
	ST-ST, Singlemode, 9/125, Duplex Patch cord	
	ST-SC, Singlemode, 9/125, Simplex Patch cord	
	ST-SC, Singlemode, 9/125, Duplex Patch cord	
	ST-FC, Singlemode, 9/125, Simplex Patch cord	
	ST-FC, Singlemode, 9/125, Duplex Patch cord	
	ST-LC, Singlemode, 9/125, Simplex Patch cord	
	ST-LC, Singlemode, 9/125, Duplex Patch cord	
	ST-MT-RJ, Singlemode, 9/125, Duplex Patch cord	
NT-XXXXX	SC-SC, Singlemode, 9/125, Simplex Patch cord	Length as require
	SC-SC, Singlemode, 9/125, Duplex Patch cord	
	SC-FC/PC, Singlemode, 9/125, Simplex Patch cord	
	SC-FC/PC, Singlemode, 9/125, Duplex Patch cord	
	SC-LC, Singlemode, 9/125, Simplex Patch cord	
	SC-LC, Singlemode, 9/125, Duplex Patch cord	
	SC-MT-RJ, Singlemode, 9/125, Duplex Patch cord	
NT-XXXXX	FC/PC-FC/PC, Singlemode, 9/125, Simplex Patch cord	Length as require
	FC/PC-FC/PC, Singlemode, 9/125, Duplex Patch cord	
	FC/PC-LC, Singlemode, 9/125, Simplex Patch cord	
	FC/PC-LC, Singlemode, 9/125, Duplex Patch cord	
	FC/APC-FC/APC, Singlemode, 9/125, Simplex Patch cord	
	FC/APC-FC/APC, Singlemode, 9/125, Duplex Patch cord	
	FC/APC-LC, Singlemode, 9/125, Simplex Patch cord	
	FC/APC-LC, Singlemode, 9/125, Duplex Patch cord	
NT-XXXXX	LC-LC, Singlemode, 9/125, Simplex Patch cord	Length as require
	LC-LC, Singlemode, 9/125, Duplex Patch cord	
	LC-MT-RJ, Singlemode, 9/125, Duplex Patch cord	
NT-XXXXX	MPO-MPO, Singlemode, 9/125, 12 F Patch cord	Length as require
	MPO-LC(APC), Singlemode, 9/125, 12 F Patch cord	



Ordering Information

P/N	DESCRIPTION	TYPE
	FIBER OPTIC PATCH CORD MULTIMODE	= 50/125 and = 62.5/125
NT-XXXXX	ST-ST, MM, Duplex Patch cord ST-LC, MM, Duplex Patch cord ST-SC, MM, Duplex Patch cord	Length as require
NT-XXXXX	ST-MT-RJ, MM, Duplex Patch cord ST-FC, MM, Duplex Patch cord	Length as require
NT-XXXXX	LC-LC, MM, Duplex Patch cord LC-FC, MM, Duplex Patch cord	Length as require
NT-XXXXX	SC-SC, MM, Duplex Patch cord SC-MT-RJ, MM, Duplex Patch cord SC-FC MM, Duplex Patch cord	Length as require
NT-XXXXX	MT-RJ-MT-RJ, MM, Duplex Patch cord MT-RJ-LC, MM, Duplex Patch cord	Length as require
NT-XXXXX	FC-FC, MM, Duplex Patch cord	Length as require
NT-XXXXX	MPO-MPO, MM, 12F Patch cord	Length as require

FIBER OPTIC PIGTAIL CABLE



Optical pigtail is a piece of fiber optic Cable with only one fiber optic connector on one side of The cable, there are single mode and multimode fiber optic pigtails, which can be with various types of fiber optic terminations such as SC, FC, ST, LC, MU, MT-RJ, MTP, MPO, etc.

Fiber optic pigtails the typical use is to link the fiber optic cable with fiber optic equipment, the fiber optic pigtail with connector side is used to link the equipment, while the other side of the pigtail is melted together with the fiber cable, by melting together the fiber glasses, it can reach a minimum insertion loss. Common types of fiber optic pigtails are usually with 0.9mm fiber cable diameter, and usually installed inside ODF unit. Most commonly used types are SC fiber optic pigtail, ST fiber optic pigtail, FC fiber optic pigtail, LC fiber optic pigtail, MT-RJ fiber optic pigtail, SC/APC fiber optic pigtail, and FC/APC fiber optic pigtail and E2000 fiber optic pigtail.

Features:

- High precision LC connector series with competitive pricing
- Provide high density mounting in any optical equipment
- Excellent optical performance
- Available for both SM, MM, simplex and duplex
- 0.9mm, 2.0mm, 3.0mm cable diameter option

Application:

- Telecommunication
- Testing equipment
- Long-haul telecommunication
- LAN system
- CATV systems

Specification:

Types	Single mode	Multi mode
Diameter (mm)	Φ0.9, Φ2.0, Φ3.0	
Fiber cable	Simplex or Duplex available	
Operating Wavelength	1310, 1550nm	
Insertion Loss (dB)	≤ 0.3 (PC)	≤ 0.5 (PC)
	≤ 0.3 (UPC)	≤ 0.5 (UPC)
	≤ 0.3 (APC)	≤ 0.5 (UPC)
Return Loss (dB)	≥ 45 (PC)	≥ 35 (PC)
	≥ 50 (UPC)	≥ 40 (UPC)
	≥ 60 (APC)	≥ 40 (UPC)
Exchangeability	≤ 0.2 dB	
Repeatability	≤ 0.2 dB	
Operating Temperature	-40 to +75 °C	
Storage Temperature	-40 to +85 °C	

Ordering Information

P/N	DESCRIPTION
NT-XXXXX	ST Pigtail 62.5/125μm MM
	ST Pigtail 9/125μm SM
	ST Pigtail 50/125μm MM
NT-XXXXX	SC Pigtail 62.5/125μm MM
	SC Pigtail 9/125μm SM
	SC Pigtail 50/125μm MM
NT-XXXXX	FC Pigtail 62.5/125μm MM
	FC Pigtail 9/125μm SM
	FC Pigtail 50/125μm MM

FIBER OPTIC ADAPTORS



Mating sleeve fiber optic adapters allow users to couple from one connector type to another same type. These adapters are comprised of a polymer/metal outer body and inner assembly fitted with a precision alignment mechanism. These adapters are precision made and manufactured to demanding specifications. The combination of a ceramic/phosphor bronze alignment sleeves and precision molded polymer housing provides consistent long-term mechanical and optical performance.

Features:

- ◆ Excellent changeability and directivity
- ◆ 100% Optic test (Insertion Loss)
- ◆ Ceramic and phosphor bronze sleeve tube optional
- ◆ Comply with LSZH
- ◆ Individually packaged

Application:

- ◆ Fiber optic transmission system
- ◆ CATV networks
- ◆ LAN
- ◆ Testing/Measurement Instruments
- ◆ Fiber distribution frame, Mounts in Fiber Optic Wall Mount and Rack Mount Cabinets

Specification:

POSISH TYPE	UNIT	PC	APC
Insertion Loss	dB	≤ 0.20	≤ 0.20
Return Loss	dB	≥ 50	≥ 60
Mating Durability (500Cycles)		≤0.20 dB	
Temperature Stability		≤0.30 dB	
Operating Temperature		- 40 ~ 85 °C	
Storage Temperature		- 40 ~ 85 °C	

Ordering Information

ADAPTERS
1 ADAPTER FC, SM
2 ADAPTER SC, SM, Simplex
3 ADAPTER SC, SM, Duplex
4 ADAPTER LC, SM, Simplex
5 ADAPTER LC, SM, Duplex

FIBER OPTIC ADAPTORS

Attenuator Connection Types		
FC	SC	LC
		

A fiber optic attenuator is a passive device used to reduce the amplitude of a light signal without significantly changing the wave form itself. This is often a requirement in Dense Wave Division Multiplexing (DWDM) and Erbium Doped Fiber Amplifier (EDFA) applications where the receiver cannot accept the signal generated from a high-power light source.

Features:

- ◆ High attenuation precision
- ◆ Excellent stability and reliability

Application:

- ◆ Telecommunication networks
- ◆ CATV networks
- ◆ Optical communication system
- ◆ Data networks

Specification:

PARAMETER	UNIT	VALUE
Wavelength	nm	1310 , 1550
Return Loss	dB	≥ 45□
Attenuation and precision	dB	1±0.5, 2±0.5, 3±0.75, 5±0.75, 8±0.8, 10±1, 15±1.5, 20±2.0
Connector	FC, SC, LC	
Operating Temperature	- 40 ~ 80 °C	

Ordering Information

ATTENUATOR
1 ATTENUATOR FC, SM 5dB - 20dB, Plug-in type
2 ATTENUATOR SC, SM 5dB - 20dB, Plug-in type
3 ATTENUATOR LC, SM 5dB - 20dB, Plug-in type
ACCESSORIES
1 Protective sleeve 60 mm.
2 Splice Tray 12 Fiber per tray
3 Pigtail FC/PC, SM Simplex 1.5M.
4 Pigtail FC/PC, SM Simplex 2.0M.
5 Pigtail FC/PC, SM Simplex 3.0M.