Manufacturer&Supplier of Professional Fiber Optic Cabling System

Products & Services & After sales services

Wirenet Telecom Technology Co.,Ltd

深圳威尔特通信科技有限公司

2023 VERSION

Add: 2rd floor, 2 Building,Jingheyuan Industry Park,No.2004 Xuegang Road, Bantian Street, Longgang District, Shenzhen, China

Tel: 86-755-28461866 Fax: 86-755-28461781

Website: http://www.wirenetfiber.cn

WIRENET TELECOM TECHNOLOGY CO., LTD

Fiber Optic Passive Component

WIRENET FIBER PASSIVE COMPONENT SERIES

Catolog

- MPO/MTP trunk cables
- Multifiber patchcord
- Loopback&Mode condition patchcord
- Pulling eye kit
- Fiber optic fanout kit
- Fiber Optical connector
- Fiber Optical adapter
- Fiber Optical attenuator
- Fiber terminal
- Optical fliter connector

WIRENET

FIBER OPTIC CABLE SYSTEM

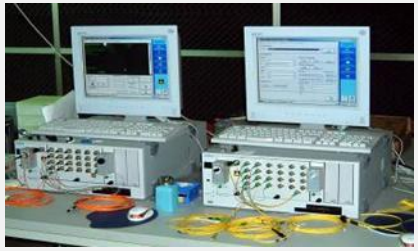
Fiber Cable system

MTP/MPO assemblies

Fiber optic patchcord

MPO/MTP Trunk Cables

Applications
- High density architectures
- Storage area networking fiber channel
- Parallel optics
- Infiniband



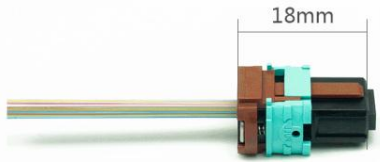
MPO/MTP Hybrid Trunk Cables

MPO/MTP to LC Hybrid Trunk Cable allow for rapid deployment of multi-port patch field connectivity in high-density Storage Area Network (SAN) and Data Center LAN applications, ensuring efficient use of horizontal and vertical rack pathways through the use of small form factor cable. Built with modular MPO connectivity and LC connectivity, these assemblies provide compatibility, flexibility and system performance in high density LAN/SAN switch Equipment Distribution Area (EDA).

MPO/MTP Extender Trunk Cables

The MPO/MTP Extender Trunk Cables provide additional distance for the backbone of the Date Center Cabling Solution. With a non-pinned MPO/MTP on one end of the cable, a pinned MPO/MTP on the other and a TIA-568 Type-A polarity, Most often these extender trunks will be used in a Zone Distribution Area (ZDA).

Mini MT connector



手动操作,无需使用特殊工具
Push in and Push back operation
(easy operation by hand)

MPO/MTP Connector with Pull Tab

Fiber Cable System

Fiber optic patchcord

Multi-fiber optic patchcord

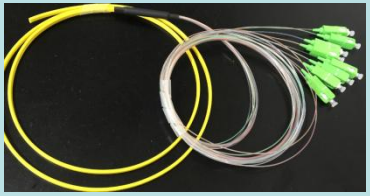
Fiber optic trunk assemblie or multi strand assemblies are consisted of indoor fibers, it can be singlemode 9/125 or mutlimode 62.5/125um or 50/125um(OM2,OM3, OM4) fibers with various connectors. Pulling eye can be positioned to provide protection.

Fiber multi strand assemblies are preterminated in factory and 100% tested with test results, length can be at customized length, it can be coiled on the reel for flexible work. Fiber counts can be at your demand.

Indoor

Outdoor

Armoured



Fiber Cable System

Fiber optic patchcord

Loopback

Feature

- Loopback patchcord provides a media of return path for a signal, whether the signal is for testing purposes or due to network restoration
- In the case of testing, the loopback signal is used for diagnosing a problem
- Sending a loopback test to a network equipment, one at a time, is a technique for isolating a problem
- Its performance is as good as that of a general patchord
- Available type includes SC, MTRJ and LC. Pls feel free to contact us for more details
- Compact design
- Compatible with Fast Ethernet, Fiber Channel, ATM, and Gigabit Ethernet

Application

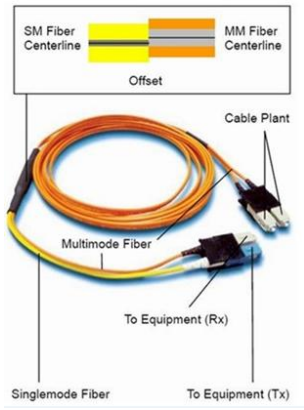
- Equipment interconnection
- Device pig-tailingPremise networks
- Patch panel applications
- Communications connections
- Loopback for network components testing

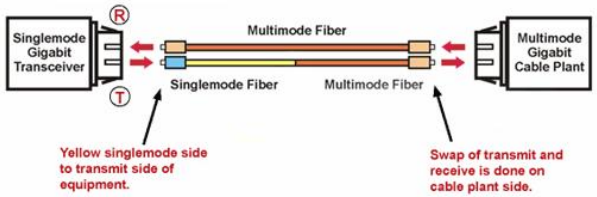
Loopback&mode condition patchcord

Mode-condition SM to MM patch cord

Description

Mode conditioning patch cords are required where Gigabit 1000 Base-LX routers and switches are installed into existing multimode cable plants. These specialized cords help avoid Differential Mode Delay (DMD) effects that can occur when long wave transceiver modules operate at both single-mode and multimode wavelengths. The mode conditioning patch cord causes the single-mode transceiver to create a launch similar to a typical multimode launch.2





Fiber optic passive components

Pulling eye kit

Fiber optic pulling eye

Description

The multi-fiber pulling eye will protect connectors while providing a pulling point with properly distributed tensions on cable assemblies.Available as a stand alone component or installed by FIS on your custom cable assembly.The pulling eye has a rotating end clip to minimize cable twisting and the connectors are protected with cable netting.

Features

- Braided netting for use in protecting connectorized or un-connectorized cables.
- Kevlarre-enforced jacket.
- Requires standard electric tape(not included).
- Swivel head.

Multi-fiber Kit:

1) Cable netting(3 ft.).
2) 13 MM black adhesive shrink tube(1/2")2@3".
3) 26 MM black adhesive shrink tube(1")2@3".
4) 13 MM black non-adhesive shrink tube(1/2")3@3".
5) 26 MM black non-adhesive shrink tube(1")3" length.
6) Single barrel connector.
7) 1/4" clear adhensive shrink tubing 2@1".
8) Cast steel round eye spring snap.
9) 3 Meter piece of simble cable.

Simplex&Duplex Kit

1) 1 meter-Zipcord fiber optic cable.
2) 2 inches-clear adhensive tubing.
3) 1-snap swivel hook.
4) 1-6 1/2" piece of cable netting.
5) 1-1/2"black shrink tubing,cut to 2"length.

Fiber optic passive components

Fiber optic fanout kit

0.9mm/2.0 Fan out Kit (indoor & outdoor)

Fiber fan out kit is used to terminate large fiber counts fiber cables. Some fiber cables, such as simplex and duplex fiber cables, and breakout fiber cables, already have 0.9/2.0/3.0mm jacket to accept fiber connectors and can be terminated directly and easily.

However, for other large fiber counts cables, such as loose tube buffered fiber cables, the fibers are usually only 250um bare fibers. These fibers are bare with little support, and can be broken or damaged easily. Fiber fan out kit or breakout kit include fiber buffer tubes that can be slipped onto the individual fibers to provide them with protection and support. This is also makes the fiber prepared for connectors and handling.

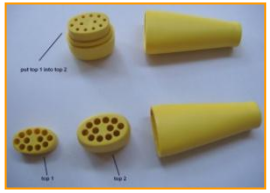
The fan out kit or breakout kit is designed to adapt groups of coated fibers for connectors by separating them and adding a tight buffer to each one. The buffer protects the fiber and gives it a thickness of 900um so that a standard connector can be attached.

Whenever possible, fiber splice tray and an enclosure should be used for loose tube termination, especially for heavy outdoor cables.

Features:

- Buffer Tube Fan-Out Kit
- Ribbon 6 and 12 core available
- 0.9 and 2.0 available
- ROHS compliant
- Good after-sale service

1*6 & 1*12 (0.9mm fan out)
indoor cable&Distribution cable

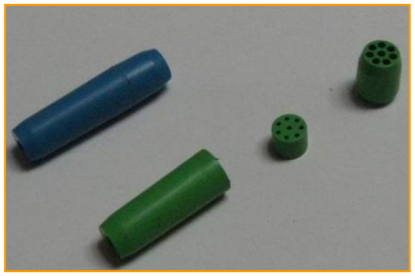


1*12 (2.0mm fan out)
indoor cable&Distribution cable

1*12 (2.0mm fan out) indoor cable

1*2 FTTH cable

1*12 & 1*24 (2.0&3.0mm fan out)
outdoor cable



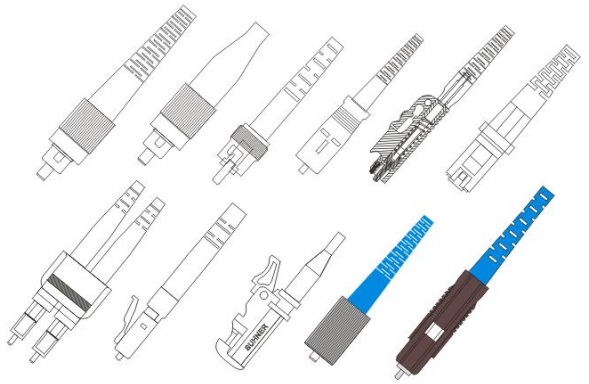
1*8 (2.0mm fan out)
indoor cable&Distribution cable

Fiber optic passive components

Fiber Optic Connector

Fiber optic connector

LC SC FC ST DIN MU SMA MTRJ MPO Lx.5 E2000 etc.

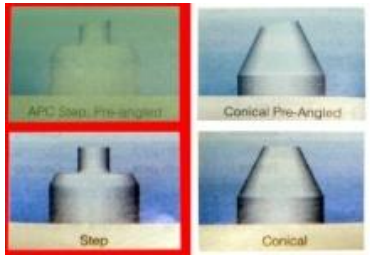


Applications:
- •CATV
- •Telecom Network
- •Metro
- •Multimedia
- •Data processing
- •Premise installation
- •Gigabit Ethernet

Features:
- ---Low insertion Loss and Back reflection loss
- ---RJ-45 style interface-
- ---Polarized and color coded (TIA568-A&ISO 11801)
- ---UL-rated plastic housing and boot
- ---Compact, pull-proof design
- ---Behind-the-Wall style short connector

Ferrule

APC Ferrule

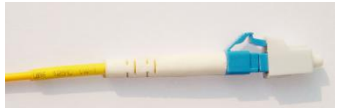


	Single mode	Multimode
Insertion Loss	<0.30dB	<0.3dB
Return Loss	≥55dB (APC ≥65dB)	≥35dB
Durability	<0.1dB typical change, 500 matings	
Operating Temperature	-40 to +75℃	-40 to +75℃

Fiber optic passive components

Fiber optic connector

LC type

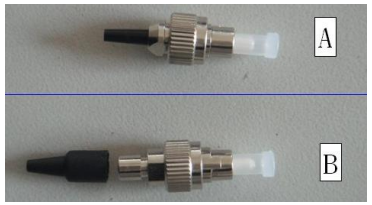


LC transparent cilip

LC-uniboot

FC type

FC 0.9connector

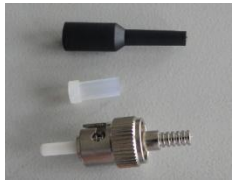


FC slotted boot

FC short boot

ST type

ST 0.9connector



Fiber optic passive components

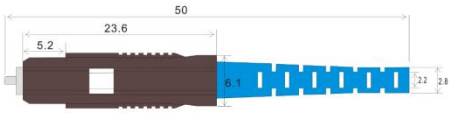
Fiber optic connector

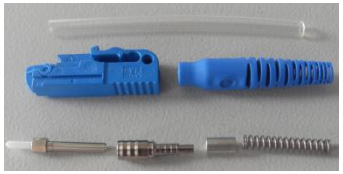
SC type

Could choose 0.9mm long boot

SMA 905 DIN MU MTRJ MPO LX.5 etc.

SMA metal ferrule and ceramic ferrule



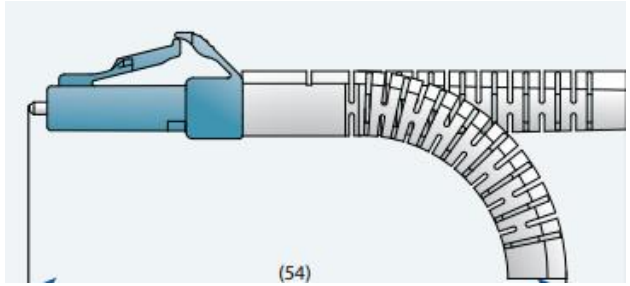


Fiber Cable System

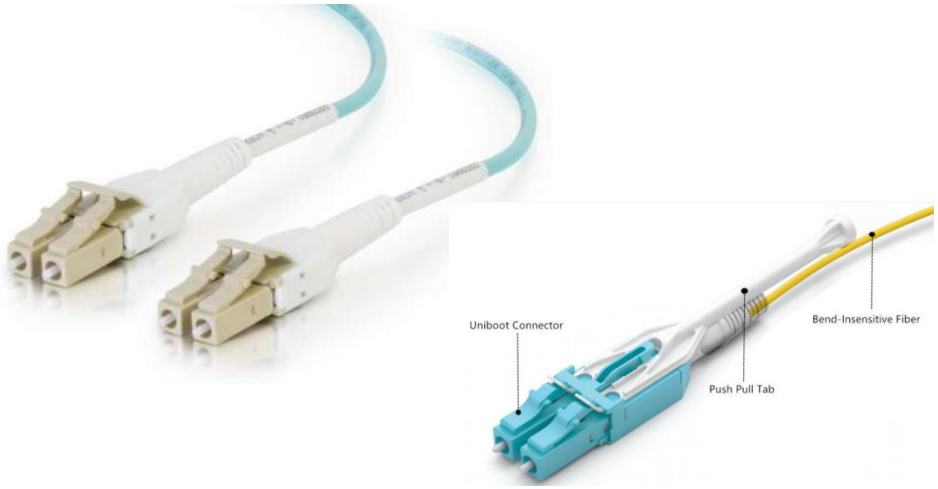
Fiber optic connector

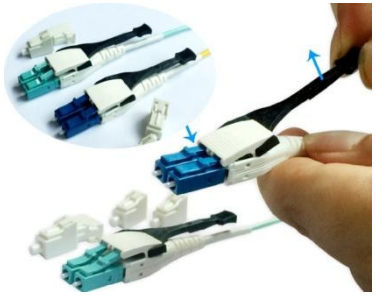
Fiber Optical connector

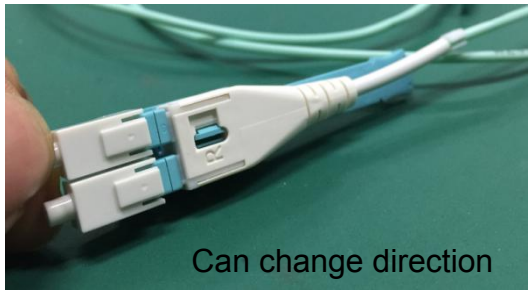
LC short/ Angle/ Flex-Angle



LC unitboot / LC-HD Connector with Pull Tab







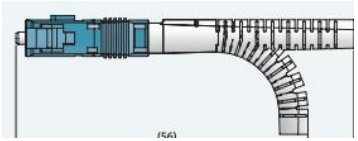
Fiber Cable System

Fiber Optical Connector

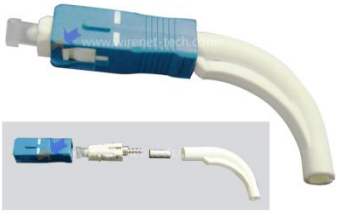
Fiber optic connector

SC Auto-shutter

SC Flex-Angle



SC connector 90 degrees boot



SC connector 45 degrees boot

SC uniboot

SC short boot

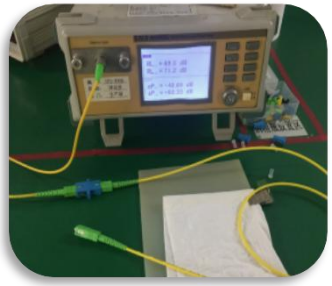
Fiber optic passive components

Fiber optic adapter

Spcifications	Single mode	Multi mode	APC
Insertion Loss	≤0.2dB	≤0.2dB	≤0.2dB
Operating Temperature	-40 ℃ to +75℃		
Durability	≤0.1dB typical change, 500 matings		

Applications
CATV,Metro,LANS & military
Active device termination
Telecomunication networks

Features
High return loss
Low insertion loss
100% Optic test (Insertion Loss)



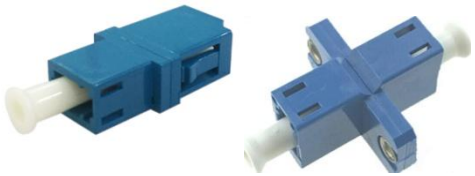
Common type fiber optic adapters

SC Simplex Adapter(with/without flange)

SC Mental Adapter(SX/DX)

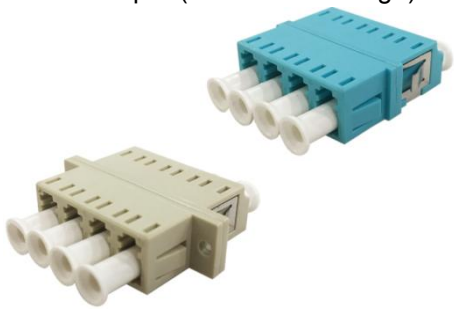
SC Duplex Adapter(with/without flange)

LC Simplex Adapter



LC Duplex Adapter(with/without flange)

LC Quard Adapter(with/without flange)



Fiber optic passive components

Fiber optic adapter

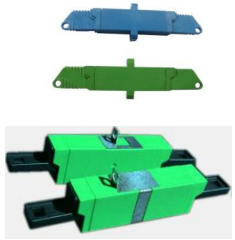
FC Adapter

ST Adapter

MPO Adapter

MU Adapter

E2000 Adapter



MTRJ Adapter

Hybrid adapters(Female to Female)

Introduction

Hybrid optical adapters with male to female configuration are very useful in connecting patchcords with different connectors.

Because both a connector plug (male) and an adapter socket (female) are provided, this hybrid adapter fits in various circumstances, offering flexibility and reducing the size, weight and complexity of the system.

It has low insertion loss and high return loss.

We provide hybrid adapters bridging popular connector types, such as FC, SC, ST and LC.

Features

- Insertion loss < 0.3dB
- Return loss > 50dB (SM)
- High repeatability
- High environmental stability
- Various of connector and adapter types

FC -ST D Type

FC - ST Square type

SC - LC Adapter

FC - SC Square Adapter

SC - ST Duplex Adapter

Fiber optic passive components

Fiber optic adapter

Hybrid adapters(Female to female)

LC female to FC/SC/ST/E2K Female



SC female to FC/ST/E2K/SMA Female


DIN female to FC/ST/LC female


SMA female to FC/ST female

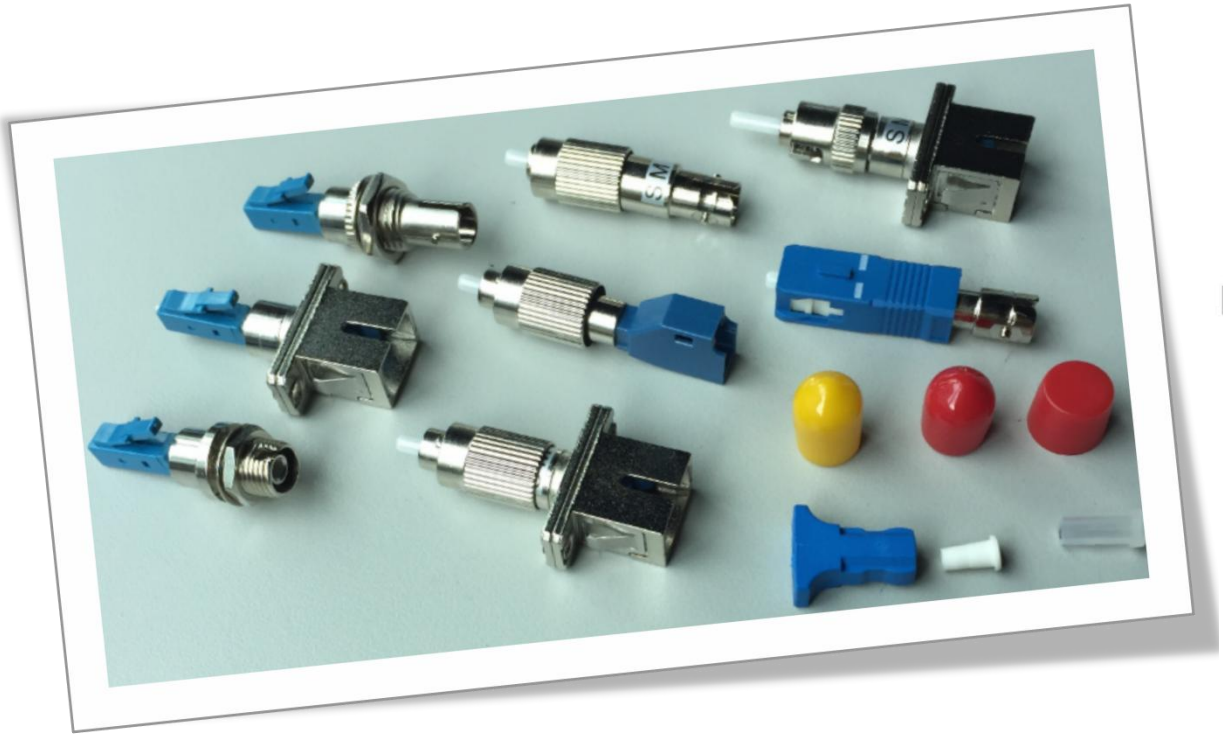




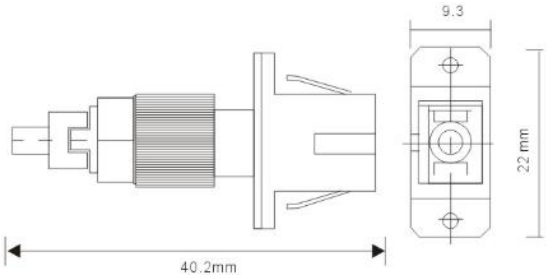
Hybrid adapters (SC FC ST Female to LC duplex Male)

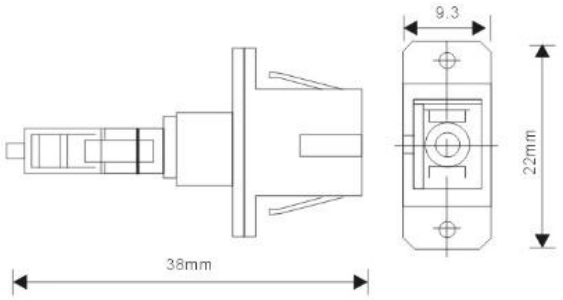

Fiber optic passive components

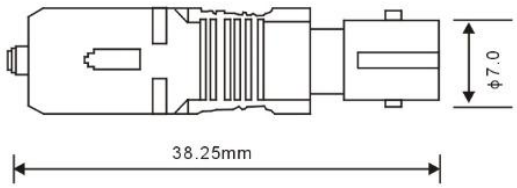
Fiber optic adapter

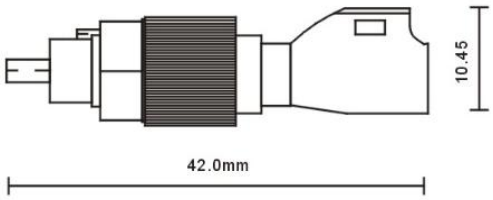


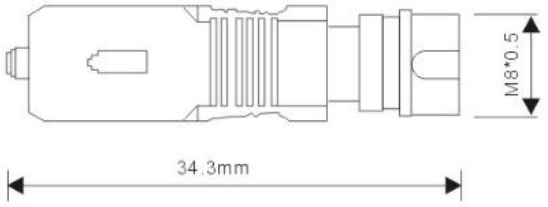
Hybrid adapters(Female to Male)









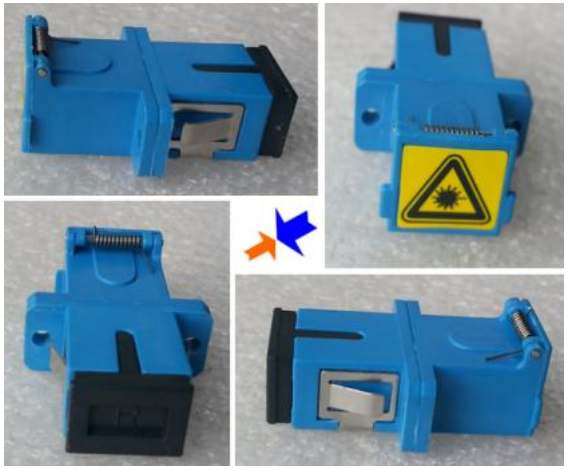


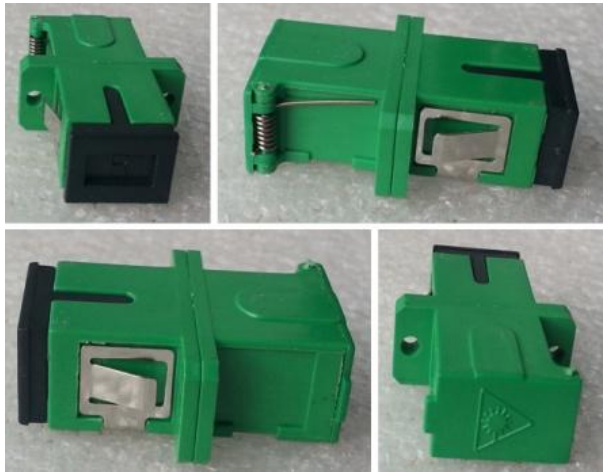
Fiber optic passive components

Shutter adapter

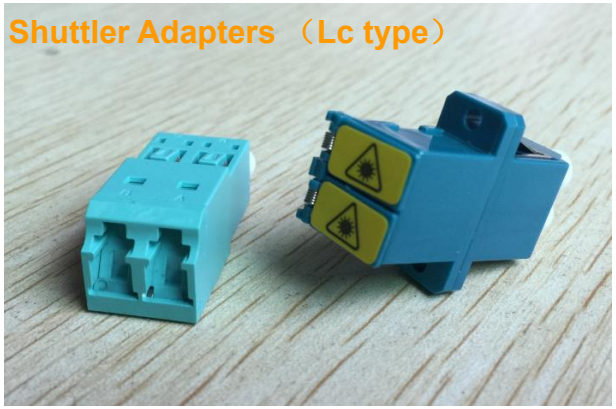
Fiber optic adapter

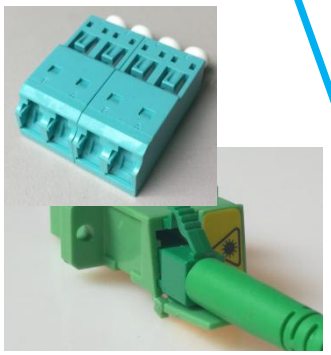
Shuttler Adapters （Sc type）

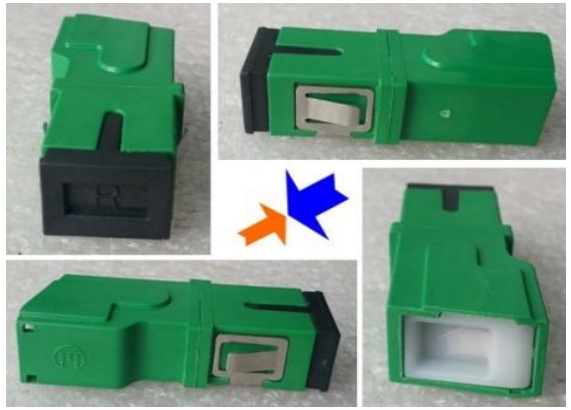




Shuttler Adapters （Lc type）







Fiber optic passive components

Fiber Optic Attenuator

Fiber optic attenuator

Spcifications	Single mode	Multi mode	APC
Attenuation Tolerance	1 to 10dB, 11 to 30dB;±5%		
Return Loss	≥50dB	≥20dB	≥60dB
Operating Temperature	- 40℃ to +75℃		
Durability	≤0.1dB typical change, 500 matings		
Available Wavelength	SM=1310&1550nm,MM=850nm		

Applications

- EDFA,DWDM,Long-haul
- Wide-Area Networks
- Telecommunication networks
- Gigbit applications (ATM,Ethernet)

Features

- High durability
- Attenuation levels ringing from 1 to 30dB
- Metal-ipn doped fiber
- Compliance with RoHs

FC Variable attenuator 0~20dB

Fixed plug type male to female attenuator

SC male to female Attenuator

SC male to female Attenuator

FC male to female Attenuator

ST male to female Attenuator

MU male to female Attenuator

Fixed flanged type Female to female attenuator

SC flanged Attenuator

FC flanged Attenuator

LC flanged Attenuator

Fixed Inline type attenuator

Fiber Terminator

Application

- Telecommunication networs
- CATV&LAN
- Data networs
- Passive optical networs

Features

- Metal-ion doped fiber(continuous)
- Simple and Reliable Structure
- Maximum power capability (over 1 W)
- Wavelength independent
- Low PDL
- Bellcore compliant(GR-1222-CORE)

Optical Parameter

Parameter	Specifications
Return Loss	UPC : <-50dB APC<-60dB
Maximum Power Capability	over to 1W
Wavelenegth	1310 and 1550 nm
Operating Temperature	-40℃ ~ +85℃
Storage Temperature	-40℃ ~ +85℃

Fiber optic passive components

Fiber optic filter connector

Application

- Create high reflectance at the termination of a PON without disturbing traffic
- Test reflectance from the central office
- Check optical continuity of a subscriber when being added, or when troubleshooting

Features

- High reflectance at test wavelength
- Easy to install
- Exceptional reliability and environmental stability

Optical Parameter

Parameters			Specification
Wavelength Range(nm)	Pass Band		1260~1360&1460~1600&1600~1625
			1644.5~1655.5
	@1260~1360	dB	≤1.4
	@1460~1600	dB	≤1.4
	@1600~1625	dB	≤3.4
PassBand ORL	@1260~1360	dB	≥35
	@1460~1580	dB	≥35
	@1580~1620	dB	≥30
	@1620~1625	dB	≥20
	@1644.5~1655.5	dB	≤1.0
RL	@1644.5~1655	dB	≥21
PDL(dB)			≤0.4≤0.15≤0.15≤0.2≤0.25
TDL(dB)			≤0.5
Ripple(dB)			6
Maximun Optical Power Handing(dBm)			27
Plug Times(Times)			500
Input/OutputConnectors			SC/APC
Operating Temperature(℃)			-20～+75
Storage Temperature(℃)			-40～+85

14Years

Manufacturer&Supplier of Professional Fiber Optic Cabling System

Thank you for your reading!

深圳威尔特通信科技有限公司

2023 VERSION

Add: 2rd floor, 2 Building,Jingheyuan Industry Park,No.2004 Xuegang Road, Bantian Street, Longgang District, Shenzhen, China

Tel: 86-755-28461866 Fax: 86-755-28461781

Website: http://www.wirenetfiber.cn