

FIBER OPTIC PRODUCTS



FIBER OPTIC CONNECTOR

■ FC Connector :

FC connector is most widely used in fiber optic connector in telecommunication industry. Its threaded coupling design accommodates a reliable and durable connection to optical network, especially suitable for advanced fiber optic systems requiring exceptional stability and low reflections. The one-piece design models provide extremely fast assembly. Different boot sizes, including 3.0mm, 0.9mm, 2.0mm or even 2.4mm, are available. Multi-pieces connectors are suitable for factory assembly. Any parts of the FC connectors can be sold separately.



■ SC Connector :

SC connector is another popular type of 2.5mm ferrule connector. Compatible with NTT push/pull SC connectors, the pre-assembly plug body provides easy and quick termination. With the plastic clip, two simplex connectors can clip together and form a duplex connector. A wide range of SC connectors are available in stock.



■ ST Connector :

ST connector was originated from AT&T Bell Laboratories for use in premises wiring of buildings or other applications. Owing to its simplified one-piece design, it is the most popular 2.5mm ferrule connector for field assembly. Available in singlemode and multi-mode, the ST style connector is inexpensive and reliable connection solution in the industry.



■ LC Connector :

The next generation fiber optic connector tends to become more compact and use-friendly, the innovative LC design is one of the best examples. LC connector provides duplex connections in less than 50% of the space.



■ MU Connector :

The MU connectors have a simple push-pull design and compact miniature body. The size of the MU connector ferrule is half of the standard FC, SC connectors (1.25 mm ferrule O.D.) and they are excellent for high density installations. Its compact design allows more organized and dense front panel arrangement.



■ MTRJ Connector :

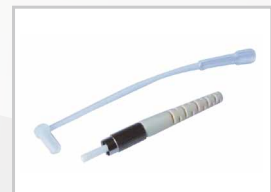
MT-RJ connector is becoming more popular in datacom applications which use duplex transceivers. It uses almost the same real estate in patch panels and networking equipment as other 2.5mm ferrule connectors but doubles the port capacity.

MT-RJ connectors is so difficult to test, as most test sets do not allow direct adaptation to the connector. If you have to use hybrid (ST or SC to MT-RJ) reference cables, you cannot do a Method B (one jumper reference) insertion loss test. Usually the solution is to do a third cable (Method C) reference.



■ DIN Connector :

DIN connectors with spring-loaded free-floating zirconia ferrules are available in either singlemode or multi-mode from JINGKON Fiber.



■ D4 Connector :

D4 connector is very similar to FC connector, except that it has a 2.0mm zirconia ferrule.



■ SMA Connector :

Designed by Amphenol Corporation in the late 1970s, SMA 905 and 906 types are standardized by NATO ,the US military and the IEC,Nickel Silver Ferrule connector.



■ E2000 Connector :

As future telecommunication network is becoming more sophisticated , data needs to be transmitted much faster ,more reliable and longer-term stability connection; So the technology is required to build up such network. E2000 connector is designed to be the key component .



■ FAST Connector :

No-Polish Fiber Optic Connector

Without a factory-polished ferrule assembly or a mechanical splice, the connector can be quickly installed using a simple field tool without electrical power.

The unique, bell-shaped boot is attached to the connector body even during installation, so there is no need to worry about losing the boot or forgetting to install it first. After assembly, the bell feature maintains the minimum fiber bend radius for excellent strain relief. The connector is qualified for premises and FTTP applications for all indoor and outdoor locations.



FIBER OPTIC FERRULE

■ Fiber Optic Ferrule :

Ferrules are generally treated as the core parts of the connectors . And zirconia ferrules are recognized to have the best durability and reliability among various kinds of material .

High Quality Ferrules are manufactured under precise and strict quality control process. The optical and mechanical performance is good and beyond your expectation . Standard grade is available to meet your applications.



FIBER OPTIC ADAPTER

■ FC Adapter :

USE : Premises Installation, Telecommunication Networks, Test Equipment Metro, Local Area Networks(LANs) ,Data Processing Networks

FEATURE : Low Insertion Loss and Back Reflection Loss, High Precision



FIBER OPTIC CONNECTOR

■ SC Adapter :

USE : CATV,Telecommunication Networks ,Test Equipment,Metro ,Local Area Networks
 FEATURE : Low Insertion Loss and Back Reflection Loss,High Precision alignment



■ ST Adapter :

USE : Premises Installation,Telecommunication Networks,Test Equipment Metro,Local Area Networks(LANs) ,Data Processing Networks
 FEATURE : Low Insertion Loss and Back Reflection Loss,High Precision Alignment,Nickel Plated Brass Body,Compact Design



■ LC Adapter :

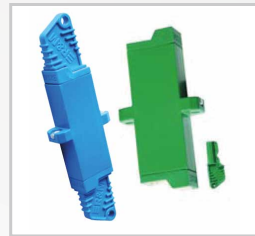
USE : Fiber Optic Telecommunication System,Fiber Optic Transducer,Fiber Optic Apparatus, CATV
 FEATURE : High Precision Alignment,Good Wearability,Good Rechgeability,Good Temperature Characteristic,Good Repeatability



■ MTRJ Adapter



■ MU Adapter



■ E2000 Adapter



■ DIN Adapter



■ D4 Adapter



■ HYBRID Adapter

■ Bare Fiber Adapter :

Bare fiber adapters provide a simple and effective way to use unterminated fibers with commercial receptacles. Its use only needs to Simply strip and cleave your fiber and insert into the bare fiber adapter. Broken fibers are easily removed with piano wire, allowing hundreds of insertions. They are recommended for power meter hook-ups,temporary system repairs or wherever a quick fiber connection is required. Standard adapters accommodate 81 micron, 125 micron or 140 micron cladding fibers with a typical insertion loss of less than 1dB.



- Male to Female Adapter :

Solve interoperability problems by using Lighthouse Fiber adapters in situations requiring the coupling of dissimilar connector styles or when using existing cable assemblies with new equipment or new cables with existing equipment.

These compact, male-to-female configured adapters inexpensively adapt connector interfaces to new equipment, upgrade distribution panels and eliminate the need to re-terminate cable assemblies.



FIBER OPTIC ATTENUATOR



FIBER OPTIC ATTENUATOR

FIBER OPTIC PATCH CORD

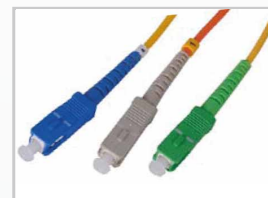
- FC Patch Cable :

The FC fiber optic cable is available in both singlemode and multi-mode versions, and is fully intermateable with NTT-FC products. Both singlemode and multi-mode versions FC fiber patch come with a zirconia ceramic ferrule with pre-polished PC profile and convex spherical end. These endface types allow for faster polishing, low back reflection and optical loss, while ensuring maximum repeatability.



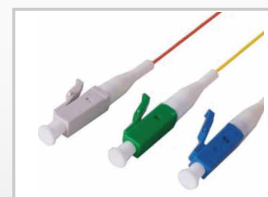
- SC Patch Cable :

SC fiber cable is one of the earliest type and one of the most commonly used fiber optic cable, it is convenient to use and costs a little ; It is the cheapest type fiber optic cable. SC fiber patch is widely used in fiber optic networks. SC fiber patch cable is composed of zirconia sleeve and plastic housing.



- LC Patch Cable :

The LC fiber cable has a small form factor (SFF) connector and is ideal for high density applications. The LC fiber patch connector has a zirconia ceramic ferrule measuring 1.25mm O.D. with either a PC or APC endface, and provides optimum insertion and return loss. The LC fiber patch cable connector is used on small diameter mini-cordage (1.6mm/2.0mm) as well as 3.0mm cable. LC fiber cable connectors are available in cable assembled or one piece connectors . The family of the LC fiber optic assemblies is Telcordia.

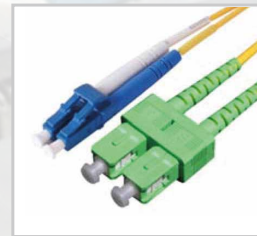


■ ST Patch Cable :

ST fiber cable connector has a bayonet-style housing and a long spring-loaded ferrule holding the fiber. They are available in both multi-mode and singlemode versions. Horizontally mounted simplex and duplex adapters are available with metal or plastic housing, with a choice of phosphor bronze or zirconia split sleeve. The ST fiber patch is one of the oldest generations of connectors, but still widely used for multi-mode networks, including LANs for buildings and campuses.



■ Hybrid Patch Cord :



■ Special Patch Cord :



■ Multi-Cores Cable :



FIBER CABLE MANAGEMENT

■ Rack Mount :

The Material : Cold rolled steel .if you need ,we can make aluminium.
The Body of patch panel set metal orbit ,is easy to be pulled and pushed





The Material : Cold rolled steel
The Body of patch panel set plastic orbit



The Material : Cold rolled steel
The Body is fixed



The Material : Cold rolled steel
The Body is fixed



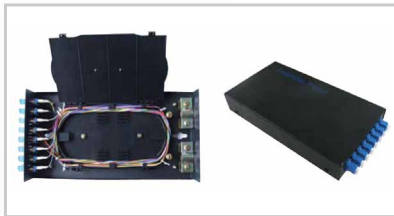
The Material : Cold rolled steel
The tray-bottom can revolving & installing is convenient.



The Material : Cold rolled steel
One door .with Lock.
Be used in outdoor, water-proof or set on the wall.



The Material : Cold rolled steel
One door .with Lock.
Be used in outdoor or set on the wall.



The Material : Cold rolled steel
Its output is adapter Be used in indoor .set on the wall or on the desk.



The Material : Cold rolled steel.
Its output is pigtail.



The Material : Plastic .
Be used in indoor, on the wall



The Material : Cold rolled steel
19" setup cabinet.



The Material : Plastic

■ FTTH Small Box :



The Material : Plastic
Be used in indoor



The Material : Plastic
Be used in indoor



The Material : Plastic .
Colour : White,Black.
Be used in indoor or on the wall

■ Splice Tray :



Part : SN 060060-01
Size : 225x108x14



Part : SN 060060-02
Size : 150x94x12



Part :SN 060060-03
Size : 175x105x12



Part : JK060060-04



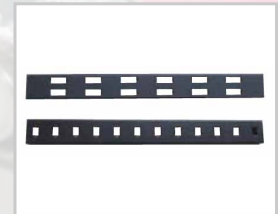
Part :SN 060060-06
Splice Protector



Part : SN 060060-02
Size : 150x94x12



Patch panel



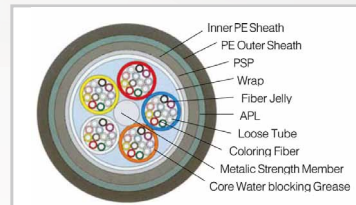
FIBER OPTIC CABLE

■ Stranded Loose Tube Armored Cable SN 070001-GYTA53 :

The coloring fiber are positioned in a central loose tube and fillers are stranded around the metallic central strength member. After it passed SZ into a compact, the APL is Longitudinal covering, the cable is completed with PE outer sheath. In loose tube, the gap of the core is filled with the water-resistant filling compound.

Characterisitic :

1. Good mechanical and temperature performance
2. Good crush resistance, water blocking and flexibility

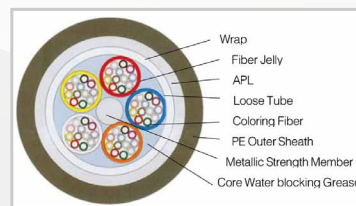


■ Stranded Loose Tube Non-Armored Cable SN 070001-GYTA :

The coloring fiber are positioned in a central loose tube and fillers are stranded around the metallic central strength member, it pass SZ into a compact, the APL is Longitudinal covering, the cable is completed with PE sheath. In the loose tube ,the gap of the core is filled with the water-resistant filling compound

Characterisitic :

1. Good mechanical and temperature performance
2. Good crush resistance, water blocking and flexibility

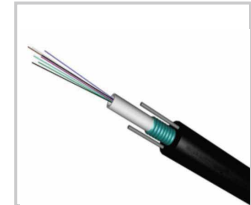
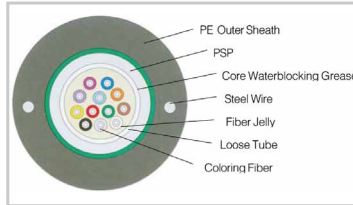


■ Unitube Light-Armored Cable SN 070001 GYXTW :

The coloring fiber are positioned in a central loose tube, the PSP is longitudinal covering, parallel steel wire is inside the PE sheath. Between steel strip and loose tube are filled with a water blocking compound.

Characterisitic :

1. Good mechanical and temperature performance
2. Good crush resistance, water blocking and flexibility

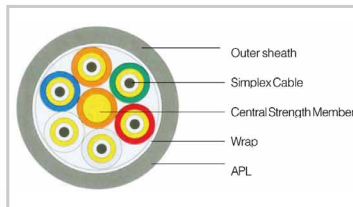


■ Waterproof Cable SN 070002 WF :

Element: simplex cable, two to twelve simplex cable are stranded around the metallic central member, the APL is longitudinal covering, the cable is completed with outer sheath.

Characterisitic :

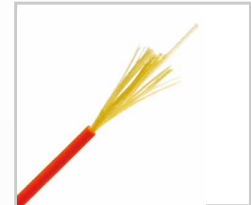
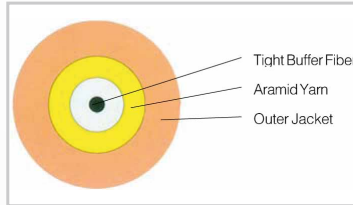
1. Sheath mechanical and physics performance content correlative standard request
2. Simplex cable outer diameter is on request



■ Simplex Cable SN 070003 :

Characterisitic :

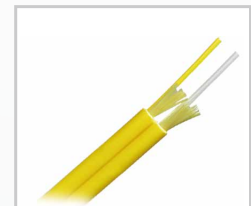
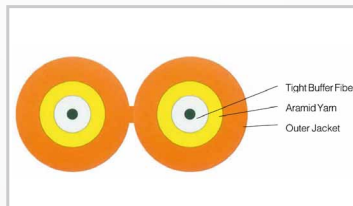
1. 900µm tight buffer fiber, aramid yarn, flame-retardant jacket
2. Excellent stripping performance of tight buffer fiber
3. Suited to SM fiber and MM fiber(50/125 µm and 62.5/125 µm)



■ Zip Cord Cable SN 070004 :

Characterisitic :

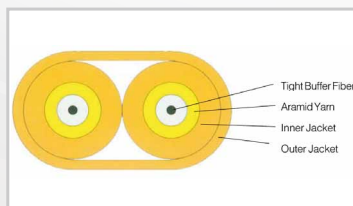
1. 900µm or 600µm tight buffer fiber, aramid yarn, flame-retardant jacket
2. Excellent stripping performance of tight buffer fiber
3. Suited to SM fiber and MM fiber(50µm and 62.5µm)



■ Flat Twin Fiber Cable SN 070005 :

Characterisitic :

1. 2 subcable flame-retardant jacket
2. Excellent stripping performance of tight buffer fiber
3. Suited to SM fiber and MM fiber(50µm and 62.5µm)

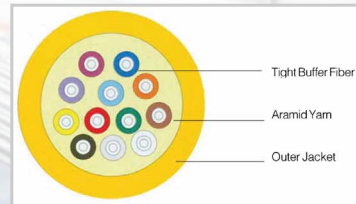


■ Distribution Cable SN 070006 :

Excellent characteristics, connect with different requirement indoor, include: buildings, lift well, FTTH. It can supply bandwidth, transmission speech, data, TV and image. Characteristic: small diameter, light weight, flexibility. So it is easy to installation, maintenance and management.

Characterisitic :

- 1.Excellent stripping performance of tight buffer fiber
- 2.Cable diameter and bending radius. It can install freely in a narrow room.



FIBER OPTIC COUPLER/SPLITTER

■ Single and Dual Window :

Features :

Low Excess loss, Low PDL Equipment, Good Directivity, Good Environmental Stability

Applications :

Optical Fiber Communication Systems, Optical Fiber Access Networks/LAN, Optical Fiber CATV
Optical Fiber Test



■ Three Window :

Features :

Low Excess loss, Good Directivity, Good Environmental Stability
Systems, Low PDL
Three Operating Windows

Applications :

Optical Fiber Communication
Optical Fiber Access Networks/LAN
Optical Fiber CATV
FTTH



■ 19" 1U Standard Chassis :

Features :

Suitable for all kinds of Optical Fiber Coupler, WDMs.
Optic input/output Adaptor and pigtail
The types of Connectors: FC/PC, FC/APC, SC/PC, SC/APC, ST, etc.

Applications :

Optical Fiber Communication System
LAN
Optical Fiber CATV



FIBER OPTIC MEDIA CONVERTER

Media Converter 10/100 Base :

The Media Converter complies with IEEE802.3, IEEE802.3u, IEEE802.3x Standards. It is designed to convert data signals between 10/100 Base-TX and 100Base-FX fast Ethernet. It supports 10/100Base-TX and 100Base-FX applications. The data signals converted by such high performance media converter can be transmitted up to 120Km maximum by fiber-optical cable. The Converter is equipped with two fiber optic connectors and two RJ-45 Jacks and one external power supply receptacle. Six LED indicators are built-in for easy diagnosing and monitoring the status of power, UTP Link, UTP Activity, Fiber Link, Fiber Activity, Full duplex and data rates. It can be configured automatically for Full Duplex or Half Duplex operation. It is compact, cost-effective, low dissipative, high reliable and stable. It can be used in standalone applications, or Rack-Mounted applications where multiple media converter can be inserted into a rack-mount chassis (Up 10 units), and allow all the converters to be powered by such a single internal power supply.



Media Converter 10/100/1000 Base :

The Media Converter complies with IEEE802.3z, IEEE802.3AB Standards. It is designed to convert data signal between 10/100/1000 Base-T and 1000Base-SX/LX fast Ethernet. It supports 10/100/1000Base-T and 1000Base-SX/LX applications. The data signal converted by such high performance media converter can be transmitted up to 120Km maximum by fiber-optical cable.

The Converter is equipped with two fiber optic connectors (One for transmitting-TX and another for receiving-RX) one RJ-45 Jacks and one external power supply receptacle. Six LED indicators are built-in for easy diagnosing and monitoring the status of power, Unshielded Twisted Paired (UTP) Link, UTP Activity, Fiber Link, Fiber Activity, Full duplex and data rates. It can be configured automatically for Full Duplex or Half Duplex operation. It is compact, cost-effective, low dissipative, high reliable and stable. It can be used in standalone applications, or Rack-Mounted applications where multiple media converter can be inserted into a rack-mount chassis (Up 16 units), and allowing all the converters to be powered by a single internal power supply.

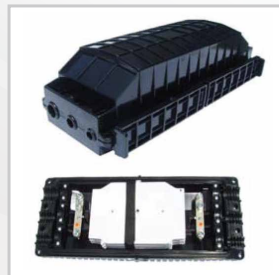


FIBER OPTIC SPLICE CLOSURE

Fiber Optic Splice Closure :



Part : SN 09-1
Size : 465x180x122



Part : SN 09-7
Size : 450x216x160



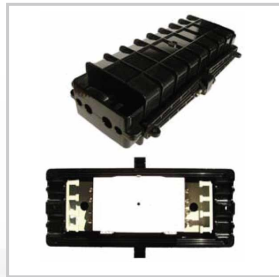
Part : SN 09-13
Size : 465x180x122



Part : SN 0009-01-01
Size : 450x216x160



Part : SN 0009-01-02
Size : 555x240x123



Part : SN 0009-01-03
Size : 400x200x122



Part : SN 0009-01-04
L : 410mm x D : 140mm



Part : SN 0009-01-05
L : 375mm x D : 120mm



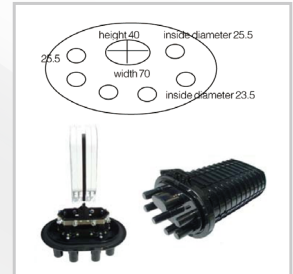
Part : SN 0009-01-06
L : 480mm x D : 240mm



Part : SN 0009-01-07
L : 480mm x D : 240mm



Part : SN 0009-01-08
L : 440mm x D : 140mm



Part : SN 0009-01-09
L : 500mm x D : 250mm

FIBER OPTIC TOOL

■ CLAUSS CFS-2 :

- Used for stripping 250 m m coating layer of optical fiber 125 m m
- The top of the hole 1.98mm can be used to strip outer sheath Pigtail
- Clamp blade on the V-port and 140 u m of the openings hole can be used to strip 250 μ m coating layer of optical fiber 125 u m
- Factory default, goes without adjustment, will not damage the fiber
- All cut surfaces have precise mechanical tolerances to ensure operation with clean and smoothness
- The handle designed according to ergonomic, comfortable grip
- When not in use, blade locked in the closed state
- Length: 165mm, Weight: 113g



■ Miller Scissors :

- Used for Stand-up forceps 250 micron fiber stripped off buffer layer to 125 microns.
- Accurate aperture and v-shaped blade buffer layer to ensure accurate stripping.
- Factory default, don't need adjustments, prevent fiber scratches.
- Cutting blade precision positioning, quenching and tempering treatment, anti-rust primer.
- Length: 130mm. Weight: 73g.



■ Fiber Optic Kevlar Scissors :

- The best tool for cutting Kevlar.
- Light weight, perfect for cutting Kevlar of cables.
- In the light of ergonomically designed handles are used comfortably at all side.
- Sided serrated to prevent the spinning blade sliding-lun.
- Scissors blade made of high-carbon Molybdenum Vanadium alloy, long service life.
- Length: 136mm, weight: 58g.



■ **Fiber Optic Stripper :**

- Used for stripping off 3.0mm and 2.0mm PVC for fiber cable .
- Accurate aperture and various size to ensure accurate stripping.
- Screw for fine adjustments
- Spring loaded handles
- Length: 165mm. Weight: 357g.



■ **200X Hand Held Fiber Microscope :**

This fiber optic microscope (JK11005-200) is used for inspecting fiber terminations, providing the most critical view of fiber and faces. It produces excellent details of scratches and contamination with its good optical performance and integrated laser safety filters. It is the clear choice for critical examination of polish quality.



■ **2Fiber Connector Cleaner :**

- Efficient and easy to use
- Delivers consistently high quality cleaning performance
- Lightweight and safe to use
- Anti-static resin is used



■ **Universal Tool Kits :**

SN 11007 tool kits are complete anaerobic field termination solutions, designed for field Kit includes;

- 1 Miller fiber optic stripper F0103-S
- 1 Fiber optic jacket stripper HW-108
- 1 200x Fiber inspection scope HW-200X
- 1 Adjustable fiber cable stripper HW-223\Kit includes;
- 25 Polishing films 15um,9um,3um,1um,0.02um 5pcs each
- 1 4 oz. Bottle of alcohol
- 1 1,25mm adapter of 200X microscope
- 1 Precision Nipper
- 1 Precision polishing pad
- 1 Marker
- 1 Kevlar scissor HW-150
- 1 Fiber continuity tester HW-103
- 1 Fiber connector crimp tool PK-301J
- 1 Carbide fiber scribe TTK-174A
- 1 SC/ST/FC Polish disc 2.5mm
- 3 Piano wire
- 1 Epoxy Anaerobic adhesive
- 2 Epoxy application syringes 3ml
- 1 Polish glass plate
- 1 Carrying tool case(400*280*115mm)

