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FIBERCAN
飞博康光通讯

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Fiber Optical Passive Components Manufacturer in China
Multi Core Patch Cable, Fiber Optic Patch Cord, SFP Transceiver Module

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Multi Core Patch Cable

SC Multi Core Patch Cable

LC Multi Core Patch Cable

Fiber Optic Patch Cord

SC/UPC Fiber Optic Patch Cord

Fiber Optic Pigtail

MTP/MPO Patch Cable

Fiber Optic Adaptor

Welcome to Shenzhen Fibercan Optical Co., Ltd.
FIBERCAN has been accredited with the ISO9001 certificate
and our fiber optic passive component are strictly in
compliance with the Telcordia-GR-326 standards. An
integrated quality control system ensures ...



Fiber to the home, we can

SHENZHEN FIBERCAN OPTICAL CO., LTD
深圳市飞博康光通讯技术有限公司

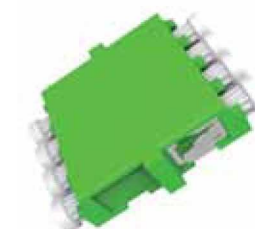
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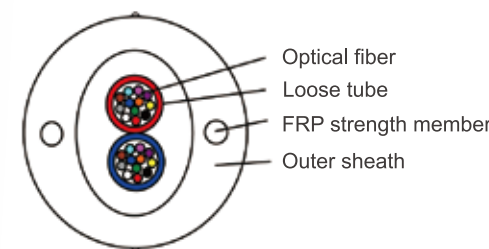


Catalogue

SHENZHEN FIBERCAN OPTICAL CO., LTD
深圳市飞博康光通讯技术有限公司
www.fibercan.com.cn

Multi-core patchcord/pigtail

We are professional to assembly multi-core fiber optic patch cords, which including break out cable , mini break out cable ,micro break out cable , and outdoor cable.



New product

Connector performance

Performance & Specifications				
Fiber Type		SM		MM
Normal Fiber OD		125±0.2um		125±0.2um
Connector Type		SC,FC,ST, E-2000, LC, MU		SC,FC,ST, LC, E-2000, , MU
Insertion loss(Typical)		0.12dB		0.12dB
Insertion loss(Max)		0.30dB		0.30dB
Return Loss(Typical)	UPC	55dB		
	APC	65dB		
Mating Durability(500 C)		0.2dB		
Temperature Stability		0.3dB		
Operation Temperature		-40℃ ~ +85℃		
Storage Temperature		-40℃ ~ +85℃		

Cable Performance

Fibre Type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
Attenuation Coefficient [dB/km]	≤0.38 Max(1310nm)	≤3. 5 Max(850nm)	≤3. 5 Max(850nm)	≤3. 5 Max(850nm)	≤3. 5 Max(850nm)
	≤0.25 Max(15500nm)	≤1.5 Max(1300nm)	≤1.5 Max(1300nm)	≤1.5 Max(1300nm)	≤1.5 Max(1300nm)
	≤0.34 Typ(1310nm)	≤2.9 Typ(850nm)	≤2.7 Typ(850nm)	≤2.7 Typ(850nm)	≤2.7 Typ(850nm)
	≤0.19 Typ(1550nm)	≤1.2 Typ(1300nm)	≤0.9 Typ(1300nm)	≤0.9 Typ(1300nm)	≤0.9 Typ(1300nm)
Minimum Bandwidth: Overfilled Launch [Mhz-km]	NA	≥200 (850nm)	≥500 (850nm)	≥1500 (850nm)	≥3500 (850nm)
		≥500 (1300nm)	≥500 (1300nm)	≥500 (1300nm)	≥500 (1300nm)
Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km]	NA	NA	NA	≥2000 (850nm)	≥4700 (850nm)

MTP Patchcord/MTP Cassette

The MTP connector is manufactured specifically for multi-fiber ribbon cable. Connection integrity is provided by the spring action side latch housing and alignment is achieved with high precision provided by pins. The housing are colored-coded to differentiate singlemode and multimode. Removable housing allow for quick change of pin clamps, ferrule cleaning or connector repolishing.

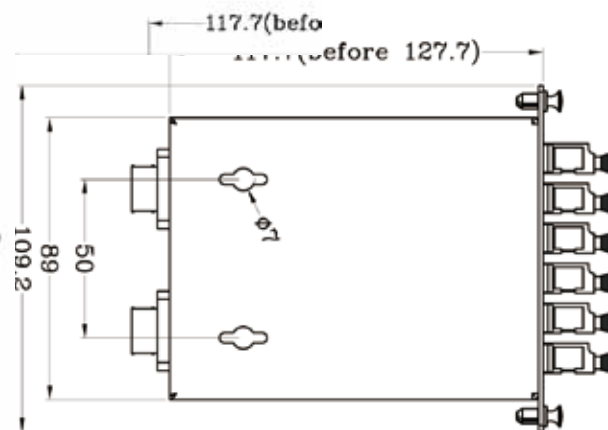
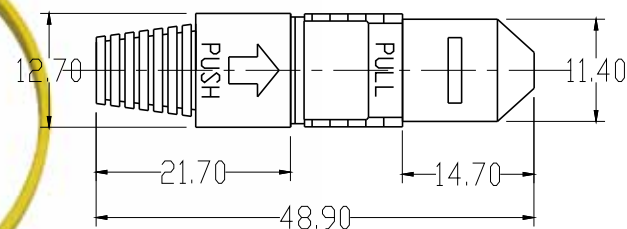


Features:

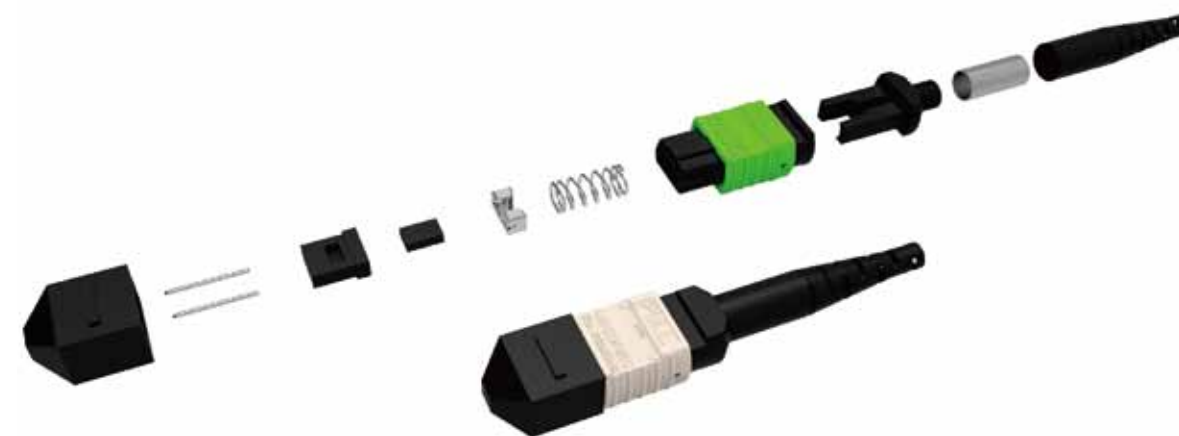
- Available SM (angled) and MM (flat) performance
- Push-on / Pull-off latching connector
- Easy connection and disconnection
- No need for matching material
- Fiber protrusion
- Low Insertion loss & Reflection
- Simple & Low cost
- IEC61754-7, TIA/EIA 604-5

Application:

- Patch cord : Bare fiber ribbon type and Ruggedized type
- Fan-out cord with single fiber connectors
- MPO connector kit

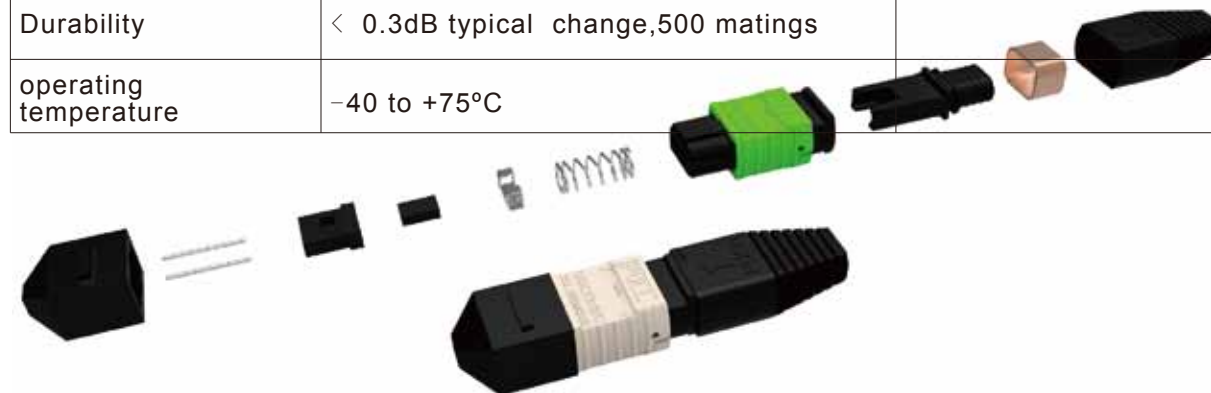


MPO Connector

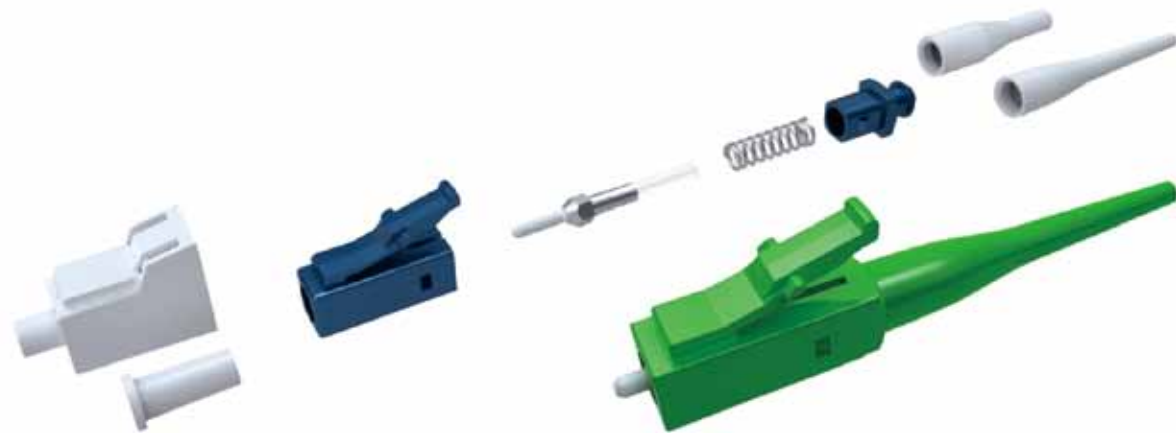


1. The MPO connector offers up to 24 times the density of standard connectors, providing significant space and cost savings.
2. This MPO connectors utilize precision molded MT ferrules, with metal guide pins and precise housing dimensions to ensure fiber alignment when mating.
3. The MPO can be mass terminated in combinations of 4, 8, or 12 fiber ribbon cables.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.30dB typical	0.30dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.3dB typical change,500 matings	
operating temperature	-40 to +75°C	



LC 0.9 Connector



1. Fibercan LC 0.9 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This LC 0.9 connector is manufactured by FIBERCAN's own injection molding plant,so we can provide a variety of colors, and offer customized services in the meantime.
3. The LC is a small form factor (SFF)connector and is ideal for high density applications.
4. The LC 0.9 connector is available with short connector while the boot meet with ultra-compact requirements.It has a zirconia ceramic ferrule which measuring 1.25mm O.D. and provides optimum insertion and return loss.
5. Both LC pre-assembled connector and connector kit (unassembled) are available.

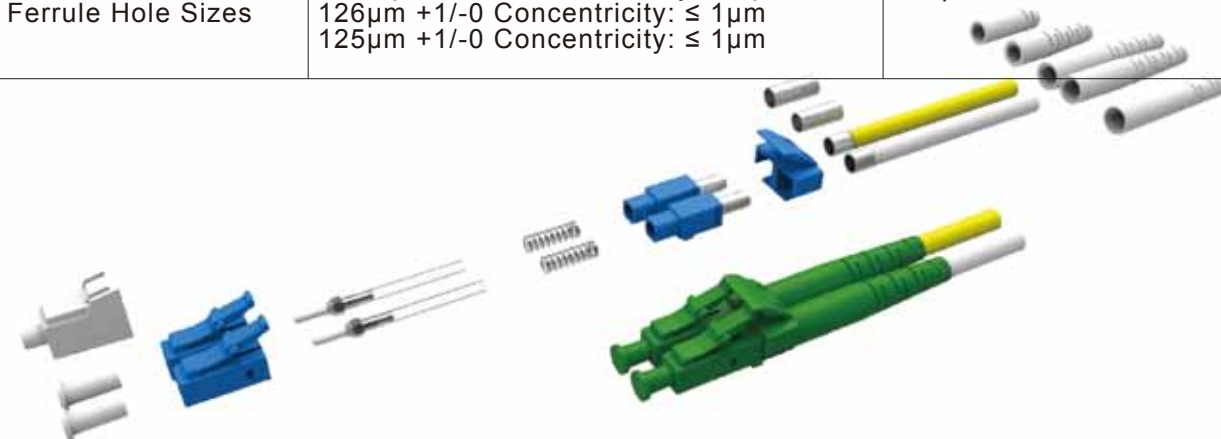
SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change,500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm

LC 2.0 Connector



1. Fibercan LC 2.0 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This LC 2.0 connector is manufactured by FIBERCAN's own injection molding plant,so we can provide a variety of colors, and offer customized services in the meantime.
3. The LC is a small form factor (SFF)connector and is ideal for high density applications.
4. The LC 2.0 connector is available with short connector while the boot meet with ultra-compact requirements.It has a zirconia ceramic ferrule which measuring 1.25mm O.D. and provides optimum insertion and return loss.
5. Both LC pre-assembled connector and connector kit (unassembled) are available.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change,500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm

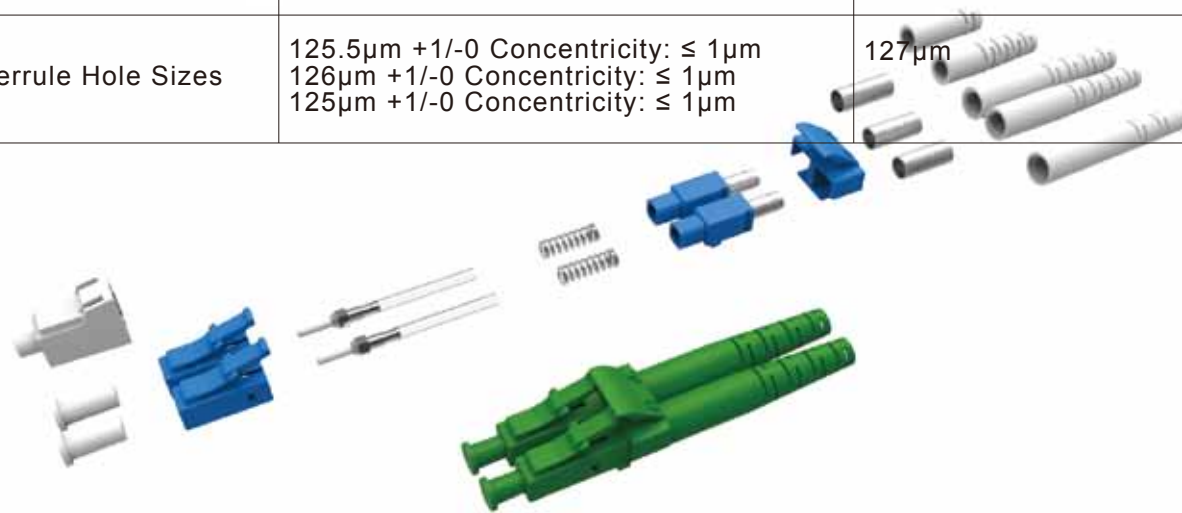


LC 3.0 Connector

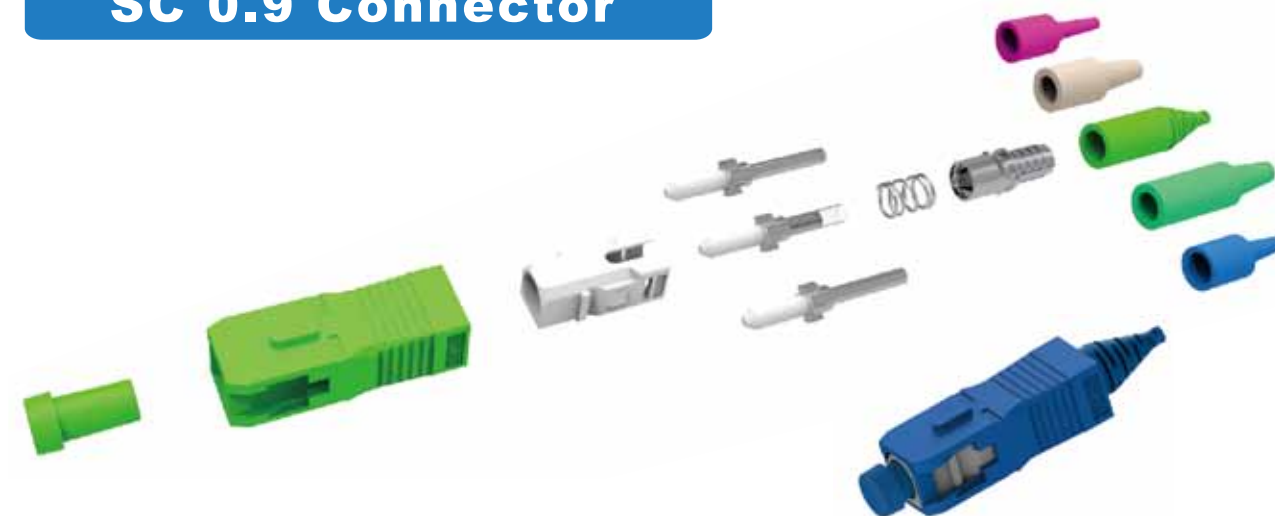


1. Fibercon LC 3.0 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This LC 3.0 connector is manufactured by FIBERCAN's own injection molding plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. The LC is a small form factor (SFF) connector and is ideal for high density applications.
4. The LC 3.0 connector is available with short connector while the boot meet with ultra-compact requirements. It has a zirconia ceramic ferrule which measuring 1.25mm O.D. and provides optimum insertion and return loss.
5. Both LC pre-assembled connector and connector kit (unassembled) are available.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm

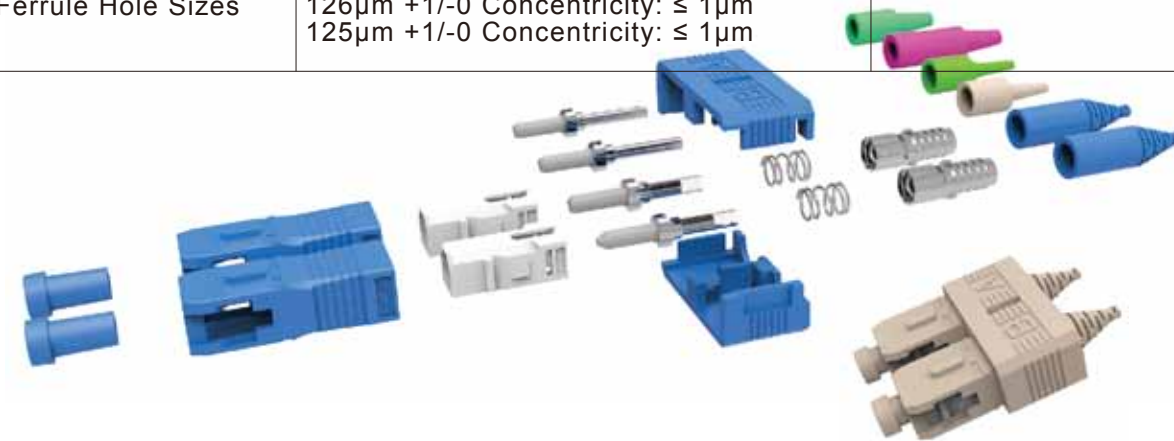


SC 0.9 Connector



1. Fibercon SC 0.9 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This SC 0.9 connector is manufactured by FIBERCAN's own injection molding plant and machining plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. The SC or Subscription Channel connector uses a push-pull system and have become known as an industry standard connector because of their many advantages.
4. As one of the most popular connectors used today its applications include CATV, Active device termination, Telecommunication networks, Metro networks, test equipment, multimedia, industrial, and military applications.
5. Both SC pre-assembled connector and connector kit (unassembled) are available.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm

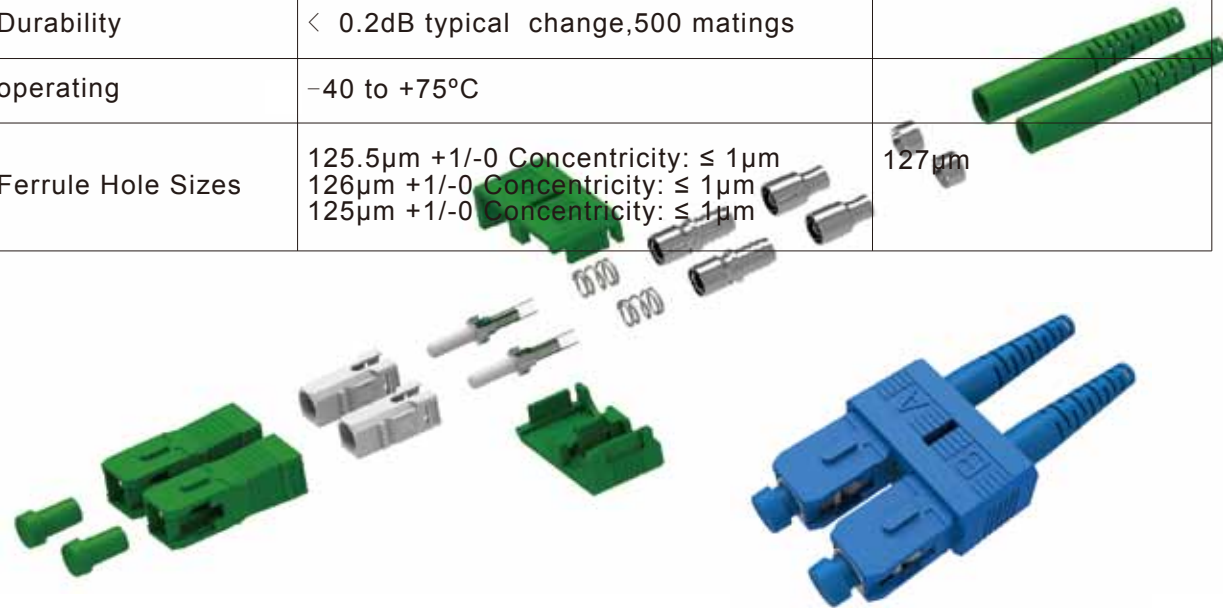


SC 2.0\3.0 Connector

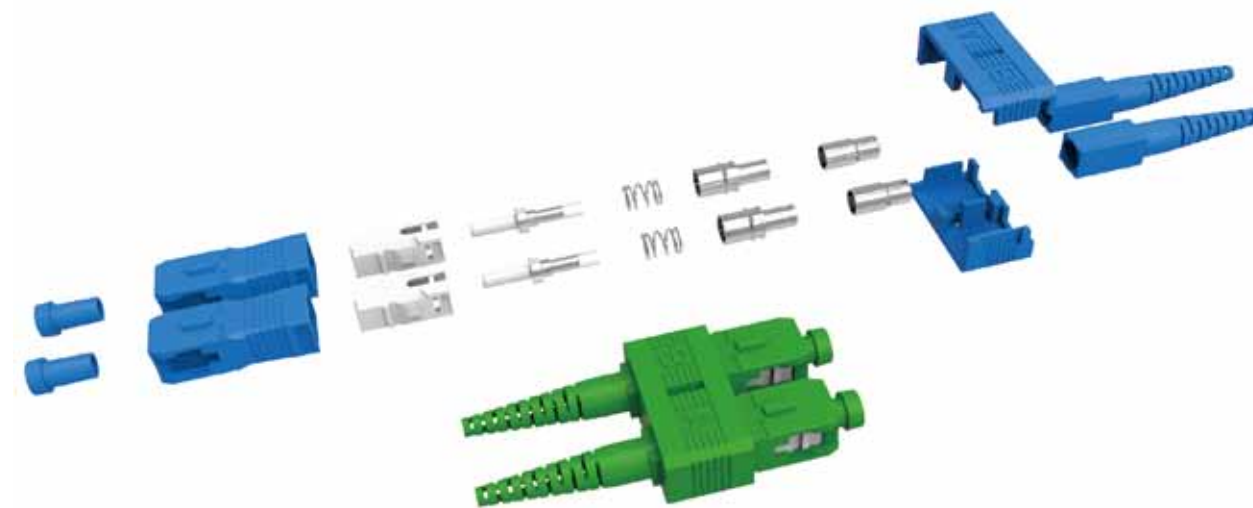


1. Fibercan SC 2.0\3.0 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This SC 2.0\3.0 connector is manufactured by FIBERCAN's own injection molding plant and machining plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. The SC or Subscription Channel connector uses a push-pull system and have become known as an industry standard connector because of their many advantages.
4. As one of the most popular connectors used today its applications include CATV, Active device termination, Telecommunication networks, Metro networks, test equipment, multimedia, industrial, and military applications.
5. Both SC pre-assembled connector and connector kit (unassembled) are available.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm



SC Connector for GR326

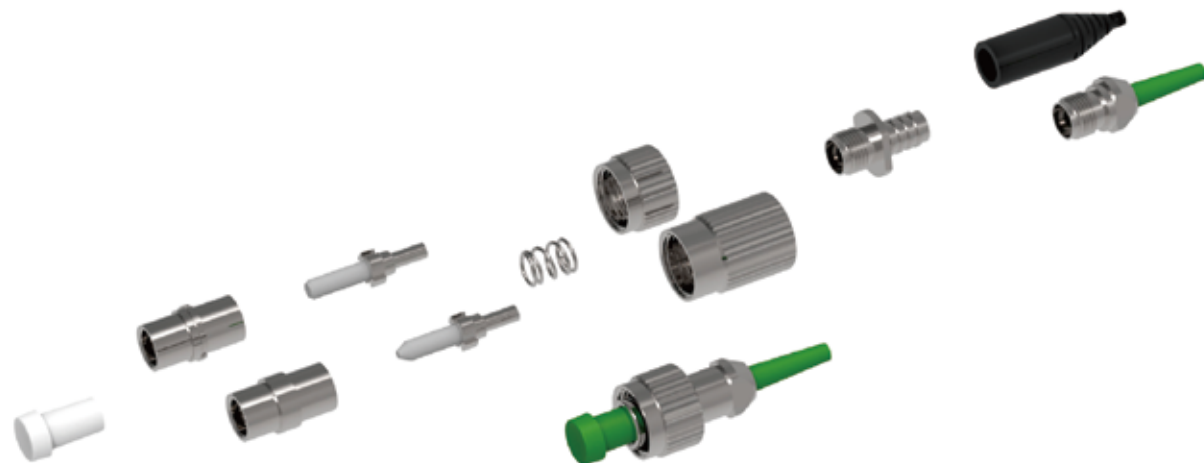


1. Fibercan SC 2.0\3.0 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This SC 2.0\3.0 connector is manufactured by FIBERCAN's own injection molding plant and machining plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. The SC or Subscription Channel connector uses a push-pull system and have become known as an industry standard connector because of their many advantages.
4. As one of the most popular connectors used today its applications include CATV, Active device termination, Telecommunication networks, Metro networks, test equipment, multimedia, industrial, and military applications.
5. Both SC pre-assembled connector and connector kit (unassembled) are available.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm



FC 0.9 Connector



1. Fibercon FC 0.9 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This FC 0.9 connector is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Best used in single mode applications and known for exceptionally accurate positioning, the FC or Fixed Connection Connector is designed for use in unstable environments because of their threaded barrel housing which provides a secure connection.
4. As one of the most popular connectors used today its applications include CATV, Active device termination, Telecommunication networks, Metro networks, test equipment, multimedia, industrial, and military applications.
5. Both FC pre-assembled connector and connector kit (unassembled) are available.

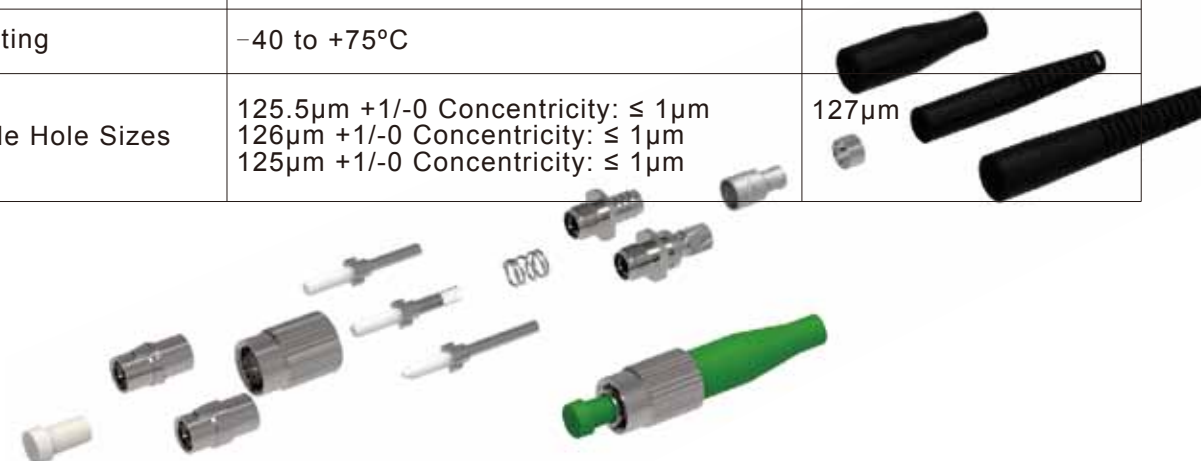
SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55 dB typical for singlemode PC	
Durability	< 0.2 dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5 μ m +1/-0 Concentricity: $\leq 1\mu$ m 126 μ m +1/-0 Concentricity: $\leq 1\mu$ m 125 μ m +1/-0 Concentricity: $\leq 1\mu$ m	127 μ m

FC 2.0\3.0 Connector



1. Fibercon FC 2.0\3.0 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This FC 2.0\3.0 connector is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Best used in single mode applications and known for exceptionally accurate positioning, the FC or Fixed Connection Connector is designed for use in unstable environments because of their threaded barrel housing which provides a secure connection.
4. As one of the most popular connectors used today its applications include CATV, Active device termination, Telecommunication networks, Metro networks, test equipment, multimedia, industrial, and military applications.
5. Both FC pre-assembled connector and connector kit (unassembled) are available.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55 dB typical for singlemode PC	
Durability	< 0.2 dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5 μ m +1/-0 Concentricity: $\leq 1\mu$ m 126 μ m +1/-0 Concentricity: $\leq 1\mu$ m 125 μ m +1/-0 Concentricity: $\leq 1\mu$ m	127 μ m



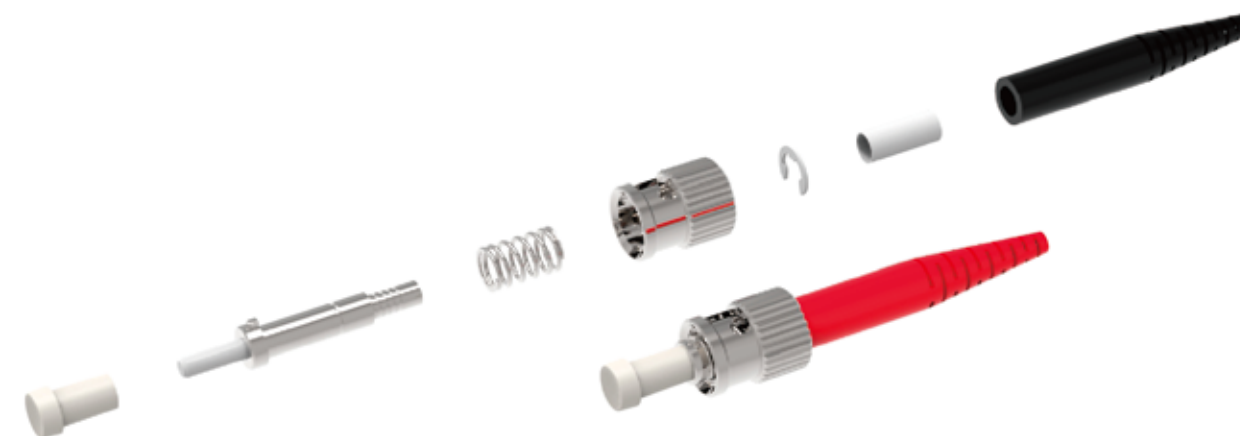
ST 0.9 Connector



1. Fibercan ST 0.9 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This ST 0.9 connector is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. A straight tip or ST connector is characterized by its quick release bayonet style lock and spring loaded ferrule to hold the fiber.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
5. Both ST pre-assembled connector and connector kit (unassembled) are available

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm

ST 2.0/3.0 Connector

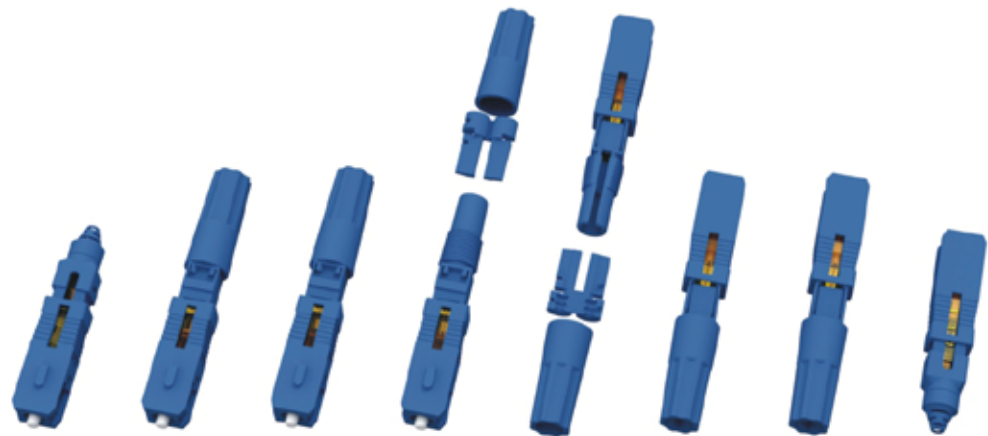


1. Fibercan ST 2.0/3.0 connector is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This ST 2.0/3.0 connector is manufactured by FIBERCAN's own injection molding plant or machining plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. A straight tip or ST connector is characterized by its quick release bayonet style lock and spring loaded ferrule to hold the fiber.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
5. Both ST pre-assembled connector and connector kit (unassembled) are available.

SPECIFICATION	SINGLEMODE	MULTIMODE
Insertion Loss	0.10dB typical	0.20dB typical
Return Loss	≥ 55dB typical for singlemode PC	
Durability	< 0.2dB typical change, 500 matings	
operating	-40 to +75°C	
Ferrule Hole Sizes	125.5μm +1/-0 Concentricity: ≤ 1μm 126μm +1/-0 Concentricity: ≤ 1μm 125μm +1/-0 Concentricity: ≤ 1μm	127μm



FAST Connector For FTTH



FAST Connector are factory pre-polished, field-installable connectors that completely eliminate the need for hand polishing in the field. Proven mechanical splice technology ensuring precision fiber alignment, a factory pre-cleaved fiber stub and proprietary index-matching gel combine to offer an immediate low loss termination to either single-mode or multimode optical fibers. FAST Connector are compatible with 250μm and 900μm optical fibers, as well as 900μm, 2mm and 3mm cordage. All primary fiber types are supported, and each connector is color coded per industry standard requirements to aide in identification during and after installation. A factory-installed wedge clip(included with each connector) is removed and discarded upon completion of the termination. Incorporated into device is an innovative. Translucent wedge enabling the use of a common VFI to provide a "pass/fail" signal once physical contact is achieved.

Specification

PARAMETER	VALUE
Insertion loss: Single-mode	Average: 0.2dB, Maximum: 0.5dB
Multi-mode	Average: 0.1dB, Maximum: 0.5dB
Return Loss@Room Temperature(Single-mode)	Average: 56.4dB, Maximum: 45dB
Operating Temperature	-40°C to +75°C

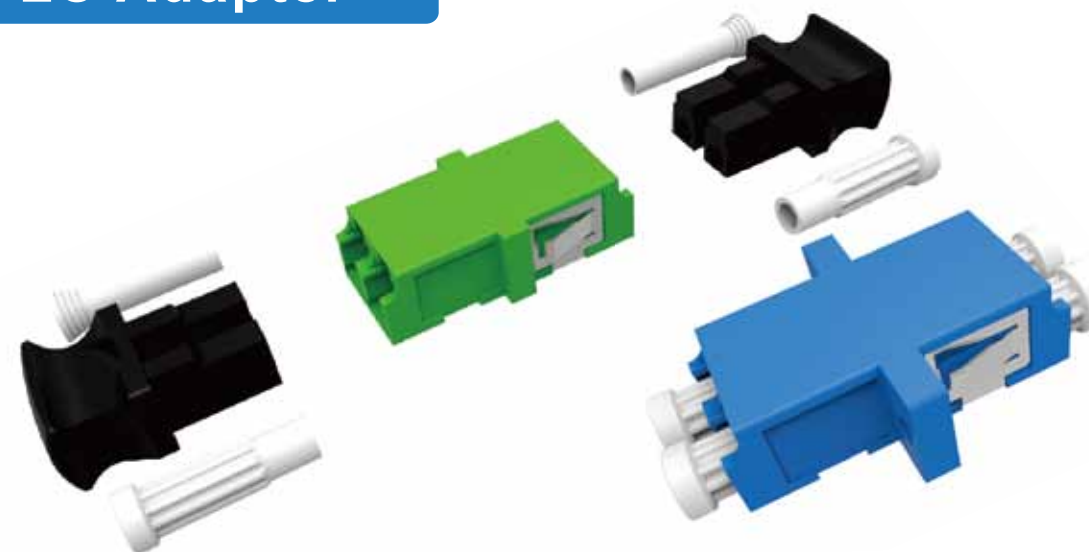
Features

- Pre-stubbed, factory-polished ferrule
- No epoxy required
- Precision mechanical alignment ensures low loss
- Fiber can be resealed
- 3.0mm, 2.0mm, and 900μm boot provided with each connector
- VFI can be used to confirm fiber is installed properly
- Meets TIA/EIA 568C.3 performance requirements
- Meets TIA/EIA 604(FOCIS) connector interface requirements

Model

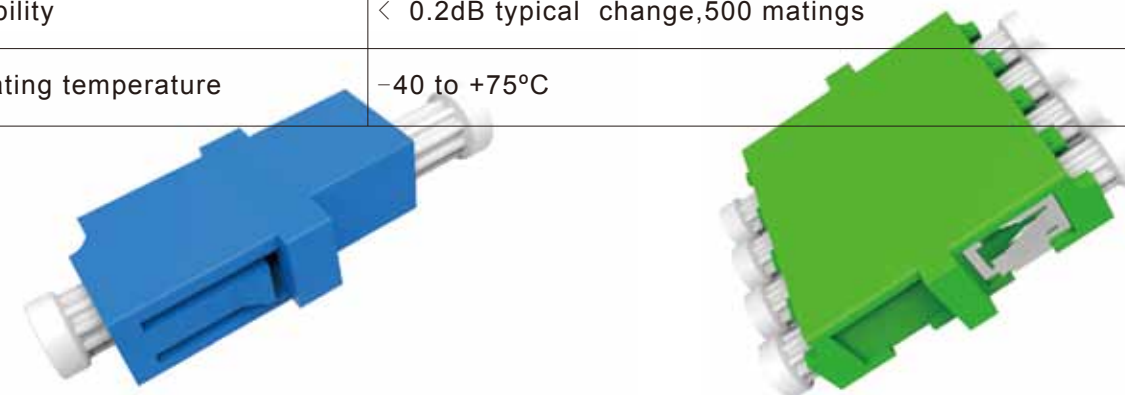


LC Adapter

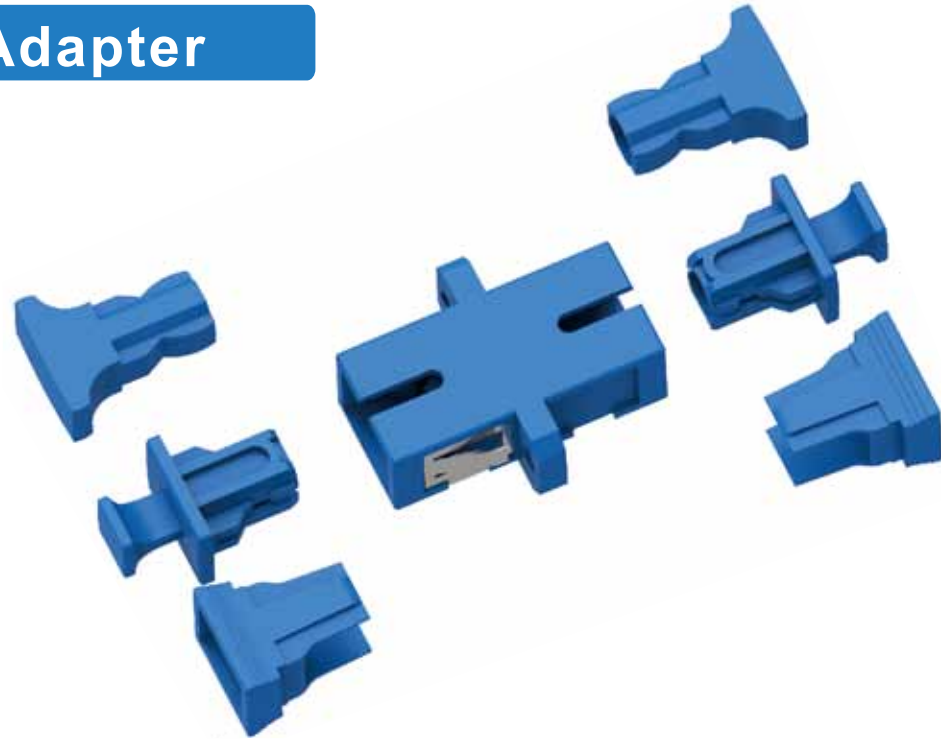


1. Fibercan LC adapter is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This LC adapter is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Fibercan offers a broad range of LC adapter.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
5. All come with a choice of zirconia split sleeves (diagonal or straight split options available), or with phosphor bronze straight split sleeves.

SPECIFICATION	SINGLEMODE
Insertion Loss	0.10dB typical
Sleeve/Ferrule Withdrawal Force	1.0N ~ 2.9N (100gf ~ 300gf)
Durability	< 0.2dB typical change, 500 matings
operating temperature	-40 to +75°C

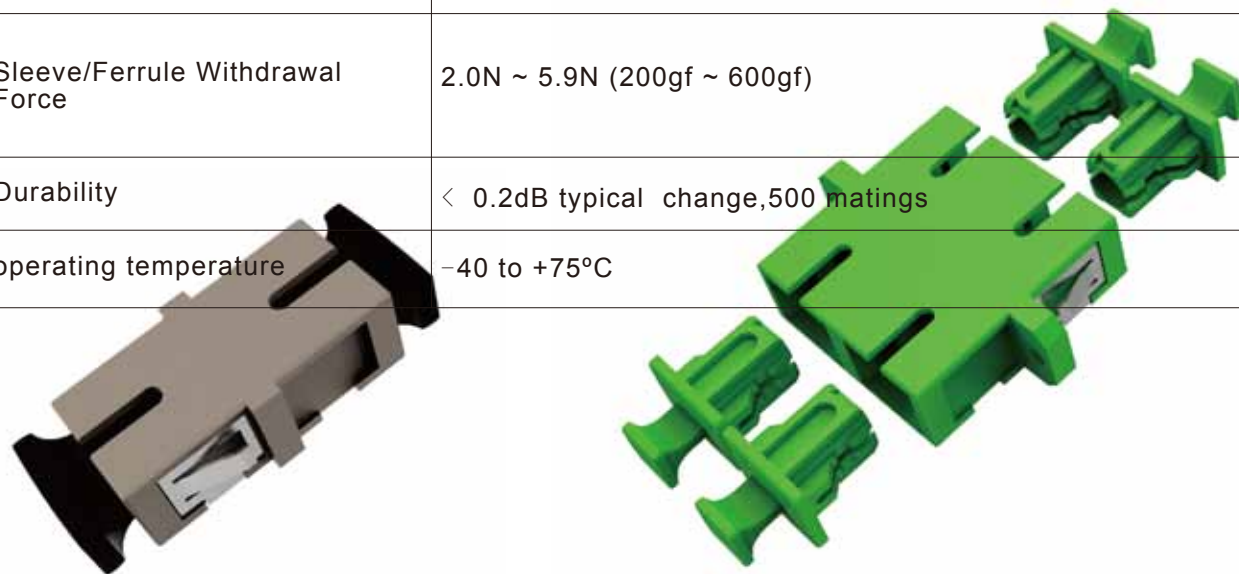


SC Adapter



1. Fibercan SC adapter is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This SC adapter is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Fibercan offers a broad range of SC adapter that incorporate a hook which performs well under high temperatures, maintaining plug retention strength.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
5. All come with a choice of zirconia split sleeves (diagonal or straight split options available), or with phosphor bronze straight split sleeves.

SPECIFICATION	SINGLEMODE
Insertion Loss	0.10dB typical
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Durability	< 0.2dB typical change, 500 matings
operating temperature	-40 to +75°C



SC Adapter With Shutter

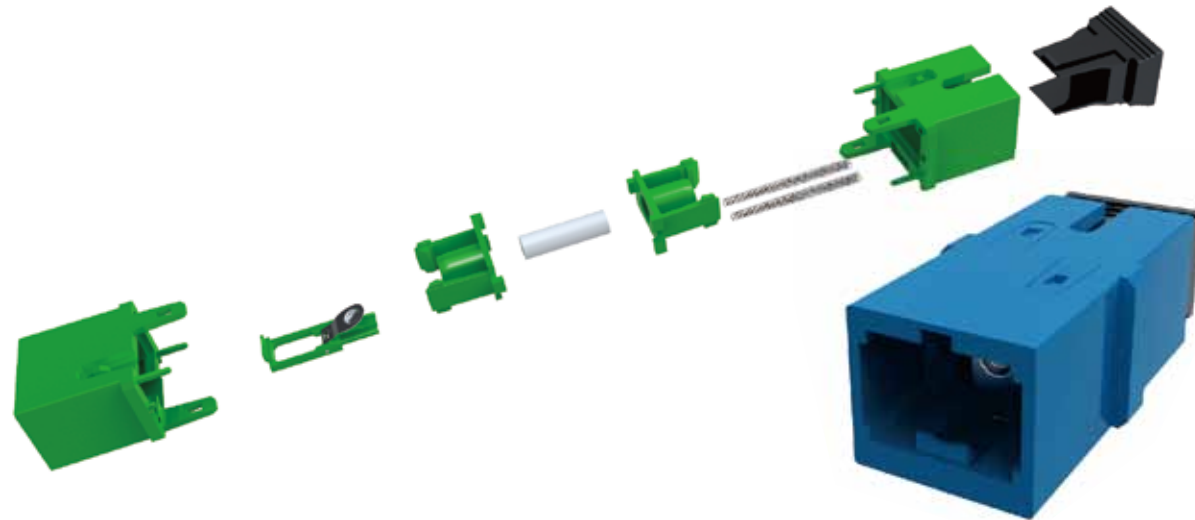


1. Fibercan SC adapter is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This SC adapter is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Fibercan offers internal shutters for adapters to shield potentially harmful light.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
5. All come with a choice of zirconia split sleeves (diagonal or straight split options available), or with phosphor bronze straight split sleeves.

SPECIFICATION	SINGLEMODE
Insertion Loss	0.10dB typical
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Durability	< 0.2dB typical change, 500 matings
operating temperature	-40 to +75°C



SC Adapter With Shutter



1. Fibercan SC adapter is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This SC adapter is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Fibercan offers internal shutters for adapters to shield potentially harmful light.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
5. All come with a choice of zirconia split sleeves (diagonal or straight split options available), or with phosphor bronze straight split sleeves.

SPECIFICATION	SINGLEMODE
Insertion Loss	0.10dB typical
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Durability	< 0.2dB typical change, 500 matings
operating temperature	-40 to +75°C

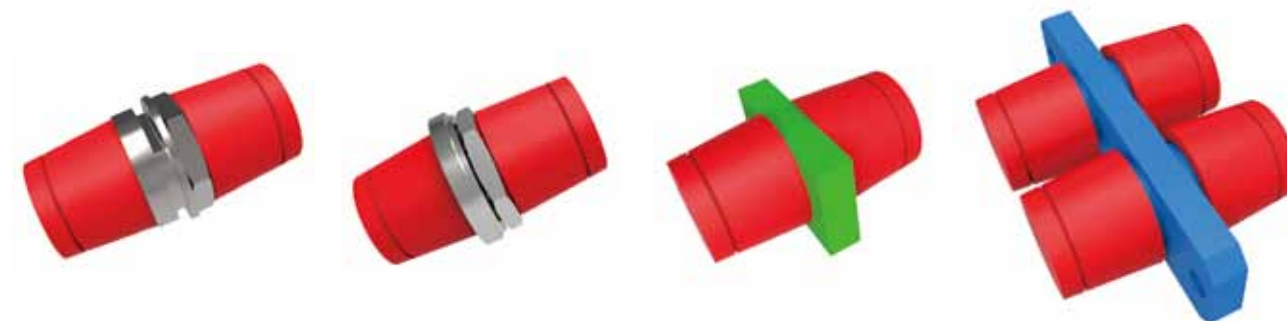


FC Adapter



1. Fibercan FC adapter is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This FC adapter is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Fibercan offers a broad range of FC adapter.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
5. All come with a choice of zirconia split sleeves (diagonal or straight split options available), or with phosphor bronze straight split sleeves.

SPECIFICATION	SINGLEMODE
Insertion Loss	0.10dB typical
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Durability	< 0.2dB typical change, 500 matings
operating temperature	-40 to +75°C



ST Adapter

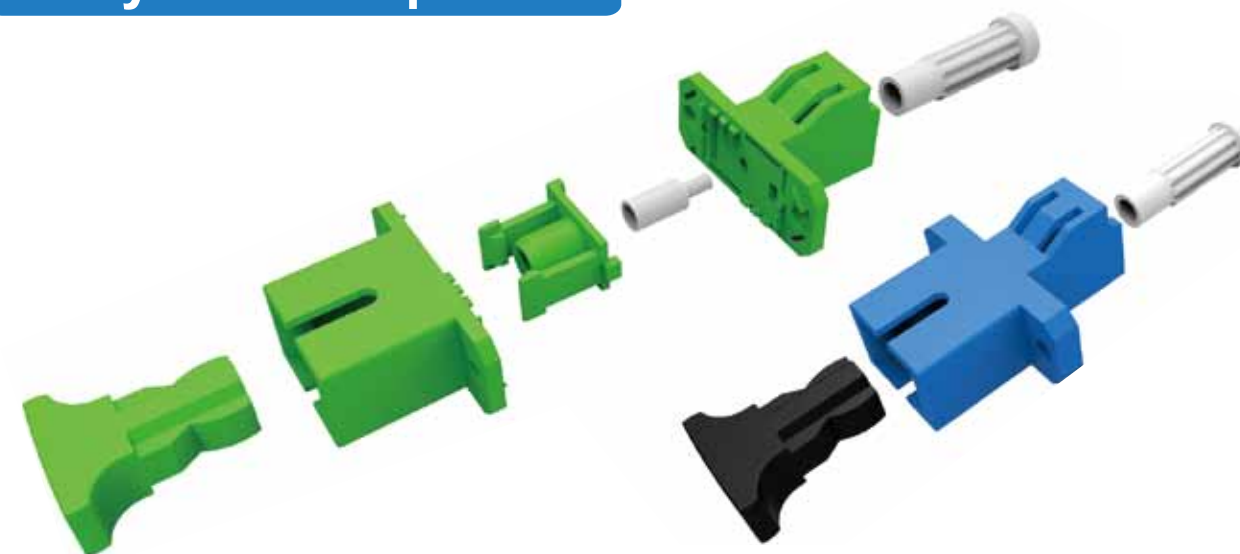


- 1. Fibercan ST adapter is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
- 2. This ST adapter is manufactured by FIBERCAN's own injection molding plant and hardware plant,so we can provide a variety of colors, and offer customized services in the meantime.
- 3. Fibercan offers a broad range of ST adapter.
- 4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
- 5. All come with a choice of zirconia split sleeves (diagonal or straight split options available), or with phosphor bronze straight split sleeves.

SPECIFICATION	SINGLEMODE
Insertion Loss	0.10dB typical
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Durability	< 0.2dB typical change,500 matings
operating temperature	-40 to +75°C



Hybird Adapter

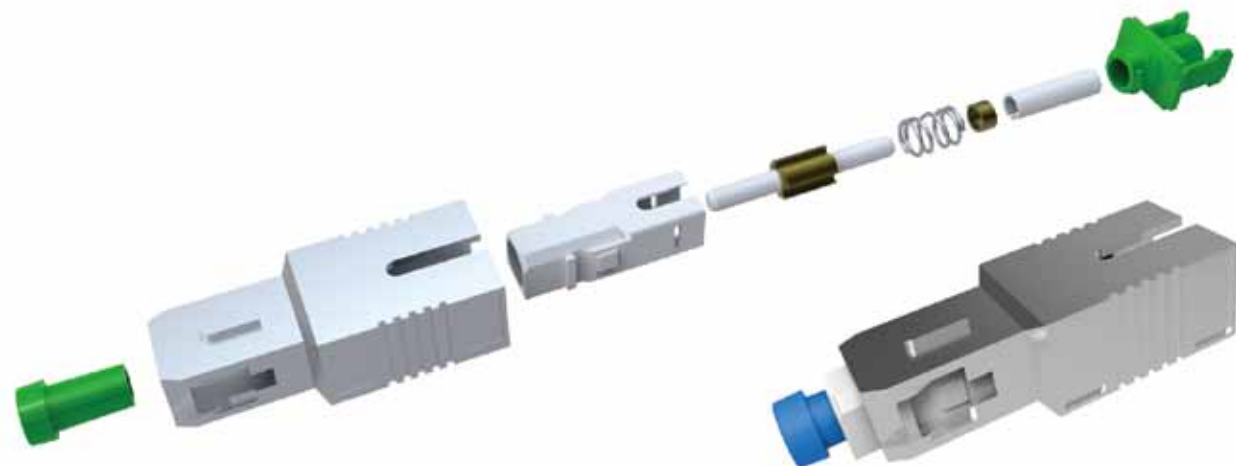


- 1.Fibercan hybird adapter is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
- 2.This hybird adapter is manufactured by FIBERCAN's own injection molding plant and hardware plant,so we can provide a variety of colors, and offer customized services in the meantime.
- 3.Fibercan offers a broad range of hybird adapter.
- 4.Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.
- 5.All come with a choice of zirconia split sleeves (diagonal or straight split options available), or with phosphor bronze straight split sleeves.

SPECIFICATION	SINGLEMODE
Insertion Loss	0.10dB typical
Sleeve/Ferrule Withdrawal Force	2.0N ~ 5.9N (200gf ~ 600gf)
Durability	< 0.2dB typical change,500 matings
operating temperature	-40 to +75°C

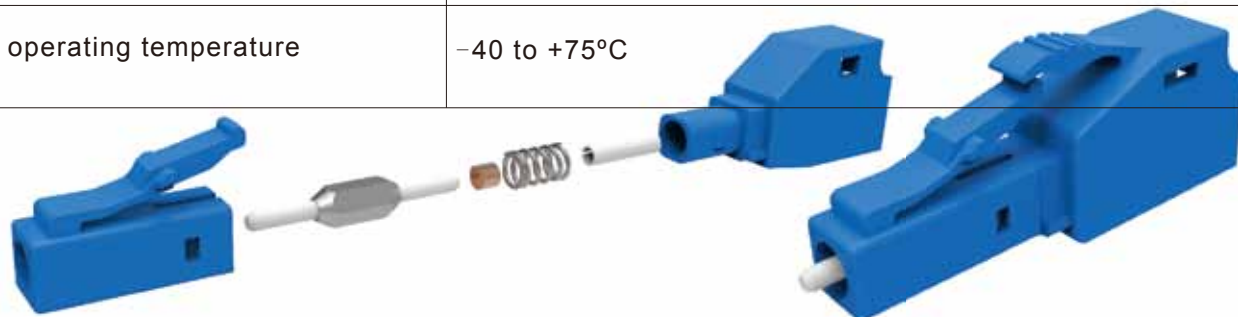


Attenuator

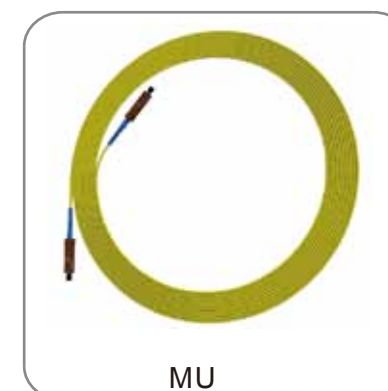
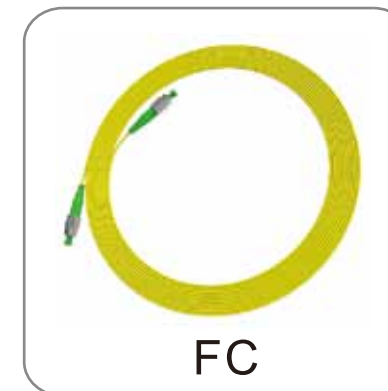
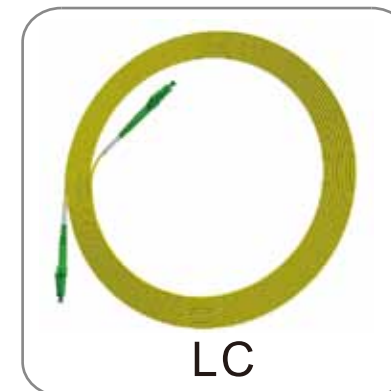


1. Fibercan attenuator is in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This attenuator is manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. Fibercan offers a broad range of attenuator.
4. Most commonly used in network applications such as LANs, and Data Processing Networks, they are also found in Premise installations and Instrumentations applications.

SPECIFICATION	
Attenuation Tolerance	1 to 10dB : ± 0.5 , 11 to 30 dB : $\pm 5\%$
Operational Wavelengths	1310, 1490, and 1550nm
Return Loss	≥ 55 dB (UPC) ≥ 65 dB (APC)
operating temperature	-40 to +75°C



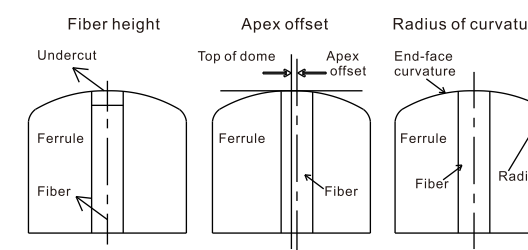
Patchcord



Parameters:

Characteristics	Conditions	Value
Insertion Loss		<0.2dB
Return Loss	PC	<-55dB
	APC	<-65dB
Durability	1000 times	<0.2dB
Temperature cycling	-40°C to +85°C (42 cycles)	<0.2dB
Humidity Cycling	+75°C.95% (336hr)	<0.2dB
Vibration	10-55HZ (3 Axis)	<0.2dB
Impact	1.5m drop, 8 cycles	<0.2dB
End face geometry	IEC, GR 326 Compliant	

Interferometer Testing

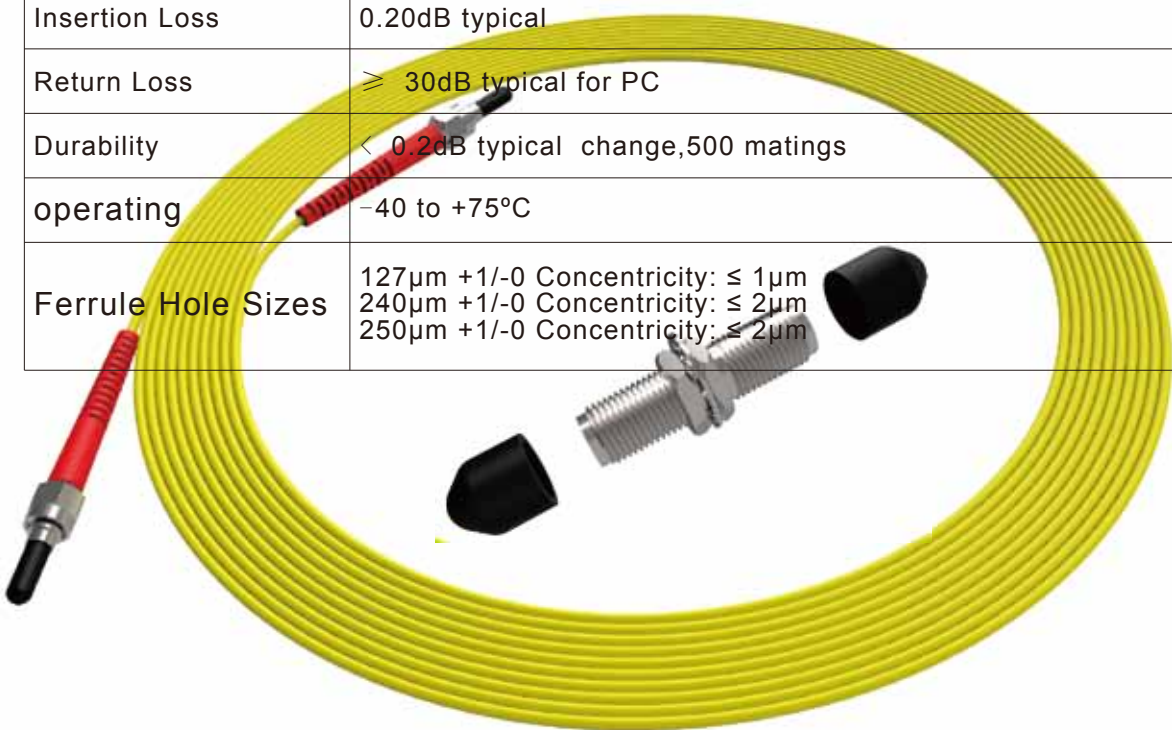


SMA Connector and Adaptor

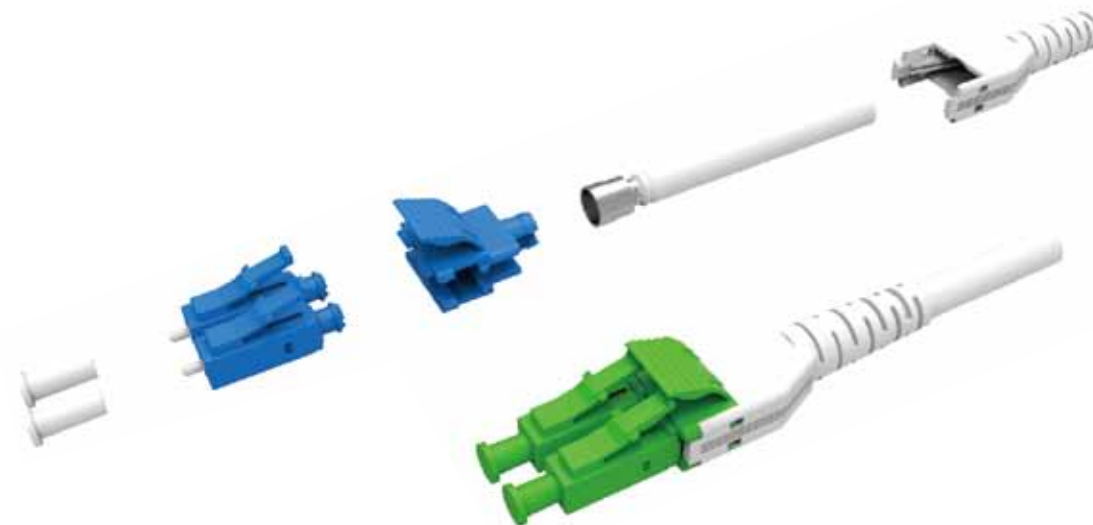


1. Fibercan SMA connector and adaptor are in compliance with Telcordia, ANSI/EIA/TIA and IEC standard.
2. This SMA connector and adaptor are manufactured by FIBERCAN's own injection molding plant and hardware plant, so we can provide a variety of colors, and offer customized services in the meantime.
3. This SMA connector and adaptor are designed for use in unstable environments because of their threaded barrel housing which provides a secure connection.
4. As one of the most popular connectors used today its applications include Medical, Surgical, Aesthetic lasers, Spectrometers, Industrial, Military, Lasers.
5. SMA pre-assembled connector/adaptor and multi-pieces connector/adaptor are available.

SPECIFICATION	MULTIMODE
Insertion Loss	0.20dB typical
Return Loss	≥ 30dB typical for PC
Durability	< 0.2dB typical change, 500 matings
operating	-40 to +75°C
Ferrule Hole Sizes	127μm +1/-0 Concentricity: ≤ 1μm 240μm +1/-0 Concentricity: ≤ 2μm 250μm +1/-0 Concentricity: ≤ 2μm



LC Uniboot patch cord



Features and Benefits

Slim round 2-fibre interconnect cable, uniboot style duplex connectors
Improve handling in high-density applications

Low loss connectivity
Enables system design flexibility

High Performance by bend-insensitive Multimode or SMF-28 Single-mode fibers
Designed to withstand tight bends and challenging cable routes

LC-Duplex Uniboot Connector Design with changeable Polarity option
Interchangeable Triggers available in 10 different colours

Specifications

General Specifications

Flame Rating: LSZH/FRNC
Cable Assembly Type: Two Fibers round cable
Fiber Category: Bend-improved SM(OS2)

Temperature Range

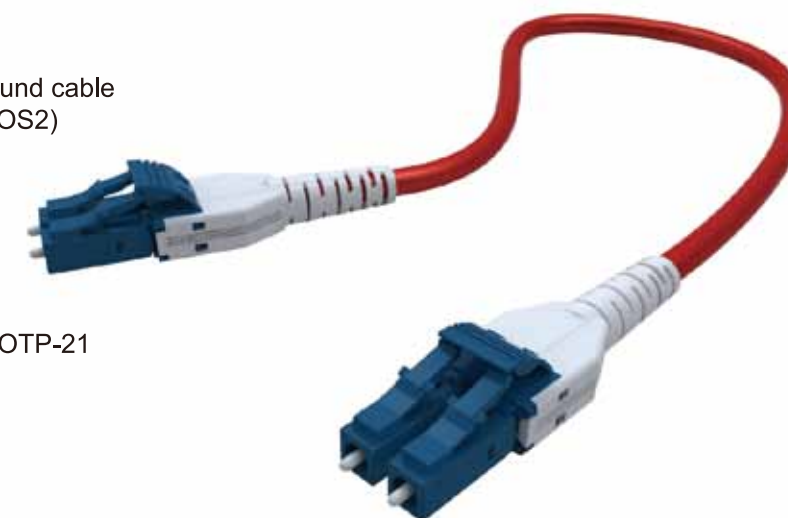
Operation -20°C to 70°C
Storage -25°C to 70°C

Mechanical Specifications

Durability: ≤0.2dB 500 rematings, FOTP-21
Tensile strength jacketed cable: 44N

Optical Specifications

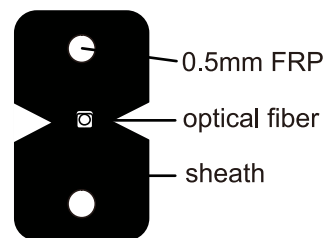
Insertion Loss: Typical 0.1dB
Insertion loss: max. 0.3dB
Reflectance: typical ≤ -55dB



FTTH Cable and FTTH Connector



Profile view:



Technology specification

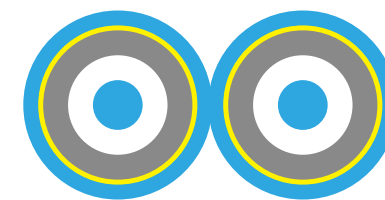
Item	Technology paratemer
Cable type	GJXH-1B6 with G657A1/2 fiber
Cable specification	3.0 x 2.0
Fiber color	blue
Fiber type	9/125
Sheath color	black/white
Sheath material	LSZH/OFNR/OFNP
Cable dimension mm	3.0 (±0.1) x 2.0 (±0.1)
Cable weight Kg/km	10.9
Min. bending radius mm	B6a: 15(static) 30(dynamic) B6a: 10(static) 25(dynamic)
Attenuation dB/km	≤0.34 at 1310nm ≤0.22 at 1550nm
Short tension N	200
Short crush N/100mm	2200
Operation temperature °C	-5~+50 Reletive to 20°C, fiber additional attenuation ≤0.2dB/km

Note: the product is accord with the instruction of EU ROHS

Armored Fiber Optical Cable and Patchcord



Sketch



- Outer Black LSZH Jacket
- Dupont Kevlar
- Metal Tube
- 0.6mm/0.9mm Corning Tight-buffer Fiber

Applications

- Infrastructure cabling, especially on the extremely adverse environmental condition for construction;
- Ideal for use in optical device, equipment;
- Pig tails and Patch cord;

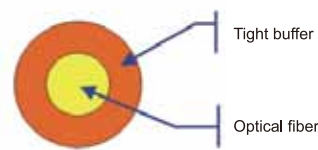
Features

- Good mechanical property and environment property
- Flame resistant performance
- Soft, agility, convenience for connection
- Satisfy various request of markets and customers

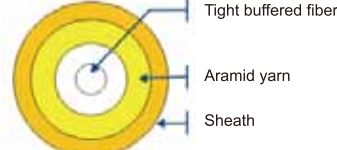
Specifications

Item	Units	Single Mode	Multimode	
Core/Mode Diameter	μm	9.2±0.4μm@1310nm 10.4±0.8μm@1550nm	50±2.5μm	62.5±2.5μm
Cladding Diameter	μm	125±1μm	125±1μm	125±1μm
Max. Attenuation	dB/km	0.4dB/km@1310nm 0.3dB/km@1550nm	3.5dB/km@850nm 1.5dB/km@1300nm	3.5dB/km@850nm 1.5dB/km@1300nm
Operating temperature	°C	-40°C ~ +90°C		
Outer diameter	mm	(2.85 ± 0.10mm) x 2		(2.0 ± 0.10mm) x 2
Net weight	kg/km	36		32
Allowable bending radius	(mm)	Dynamic 15D; Static 10D		
Allowable tensile	(N)	Long-term: 200		Short-term: 400
Crush resistant	N/100mm	Long-term: 3000		Short-term: 5000

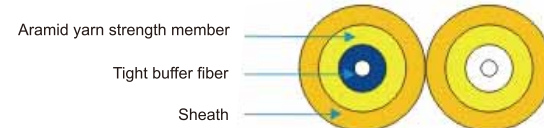
Fiber Optical Cable



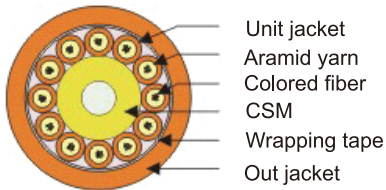
Buffered 0.9



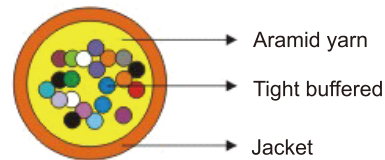
Simplex cable



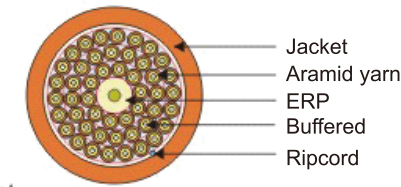
Duplex cable



Micro breakout cable



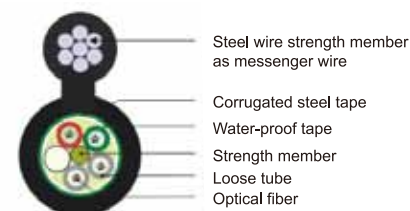
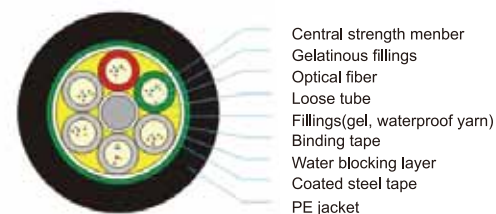
Mini breakout cable



Breakout cable

Different colors are available
 Different requirements are available
 OEM/ODM are welcome

Outdoor cable



Cross-section drawing

FTTH Wall Outlet



Fiber Termination Wall Box with shuttered adapter

Application

Designed for FTTH applications, the 2 Core Fiber Termination Wall Box is used to terminate optical cables to pigtails at the subscriber's premises. It is mounted on the wall. The cable is fed to the wall outlet from the back. A patchcord leads from the wall outlet to the active equipment (CPE-Customer Premises Equipment).

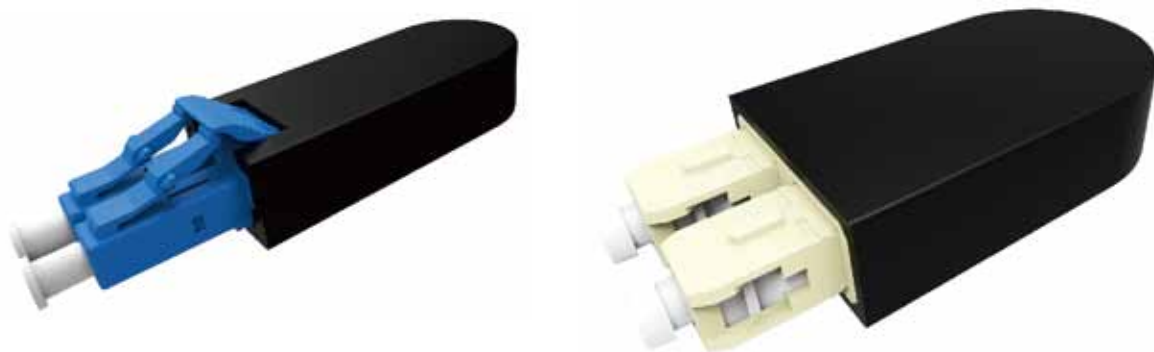
Features

- Compact design
- Easy installation
- Suitable for SCsx and LCdx adapters
- Easy click-in cover mounting
- Fixing pin for splice protection sleeve
- Shuttered adapter

Technical specifications

Material: ABS
 Color: White (RAL 9003)
 Operating temperature: -40°C to +75°C
 Flammability: UL94 V0
 IP Protection class: IP52
 Dimensions: 86.3mm x 86.5mm x 24.9mm (W x H x D)
 I.L. For adapter: < 0.2dB

LC/SC Loopback



Characteristics

- High precision LC/SC connector
- Provide high density mounting in any optical equipment
- Available for SM & MM
- Excellent optical performance

Applications

- Telecommunication
- LAN, (including FITL, FTTH and FTTD)
- High speed data transmission networks

Compliance

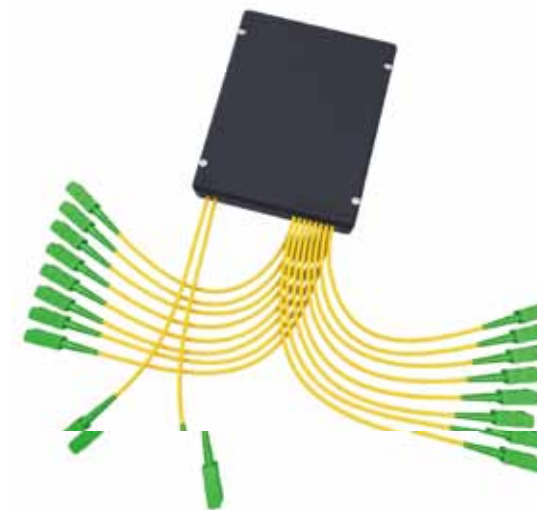
- IEC-61754
- Telcordia-GR-326-CORD
- RoHS

Specification

PARAMETER	VALUE	
Insertion Loss	single mode: $\leq 0.50\text{dB}$	multi modes: $\leq 0.50\text{dB}$
Return Loss	single mode: $\geq 50\text{dB}$	multi modes: $\geq 35\text{dB}$
Durability	$\leq 0.2\text{dB}$ typical change, 1,000 matings	
Interchangeability	$\leq 0.2\text{dB}$	
Operating Temperature	$-40\sim+75^{\circ}\text{C}$	
Storage Temperature	$-40\sim+85^{\circ}\text{C}$	

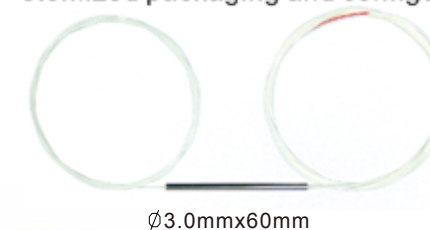
FBT/PLC Splitter

Splitter is a key component in xPON network, FIBERCAN has a series of splitter product with different packaging which can meet more requests.



Features:

- Low excess loss and high performance
- Low insertion loss, low polarization dependent loss
- Operating wavelength range, high reliability
- Good spectral uniformity
- Various connector type and package size
- Customized packaging and configuration



Specification:

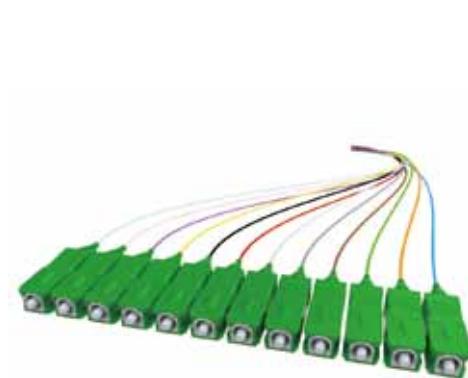
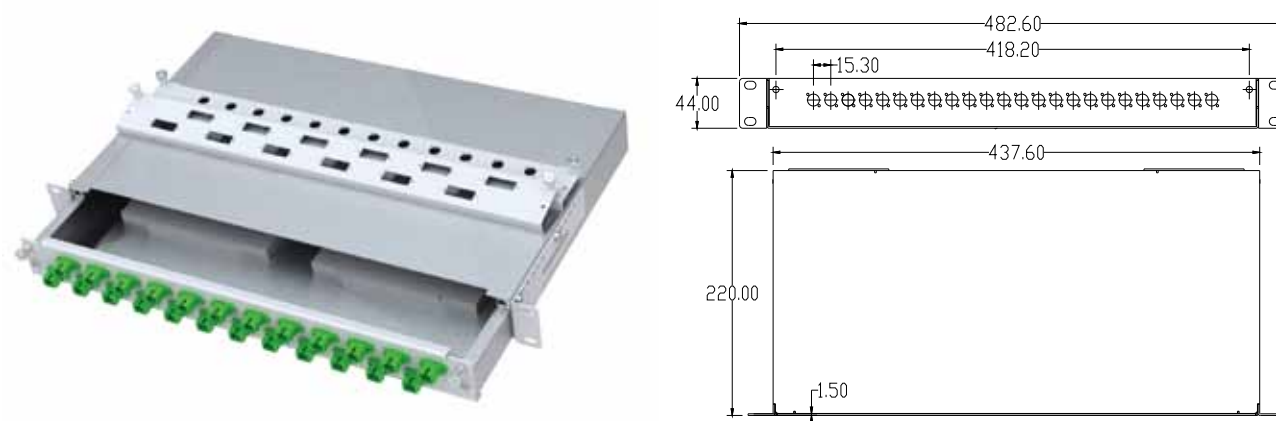
Parameter/type	NX4,N=1,2	NX8,N=1,2	NX16,N=1,2	NX32,N=1,2
Fiber	SMF-28e+			
Operating bandwidth (nm)	1260-1620			
Insertion loss (dB)	<7.6	<10.8	<13.7	<16.9
Uniformity (dB)	<0.5	<0.8	<1.2	<1.5
PDL (dB)	0.2	0.2	0.3	0.3
Return loss (dB)	>50			
Directivity (dB)	>55			
Operating temperature ($^{\circ}\text{C}$)	$-45 \sim +85$			
Storage temperature ($^{\circ}\text{C}$)	$-60 \sim +85$			

Dimensions:

Specification	1X2	1X4	1X8	1X16	1X32	1X64	2X8	2X16	2X32	2X64
W (mm)	20	80		80		114	80	80		114
H (mm)	10	10		18		18	10	18		18
L (mm)	90	100		120		140	100	120		140

Patch Panel&Box

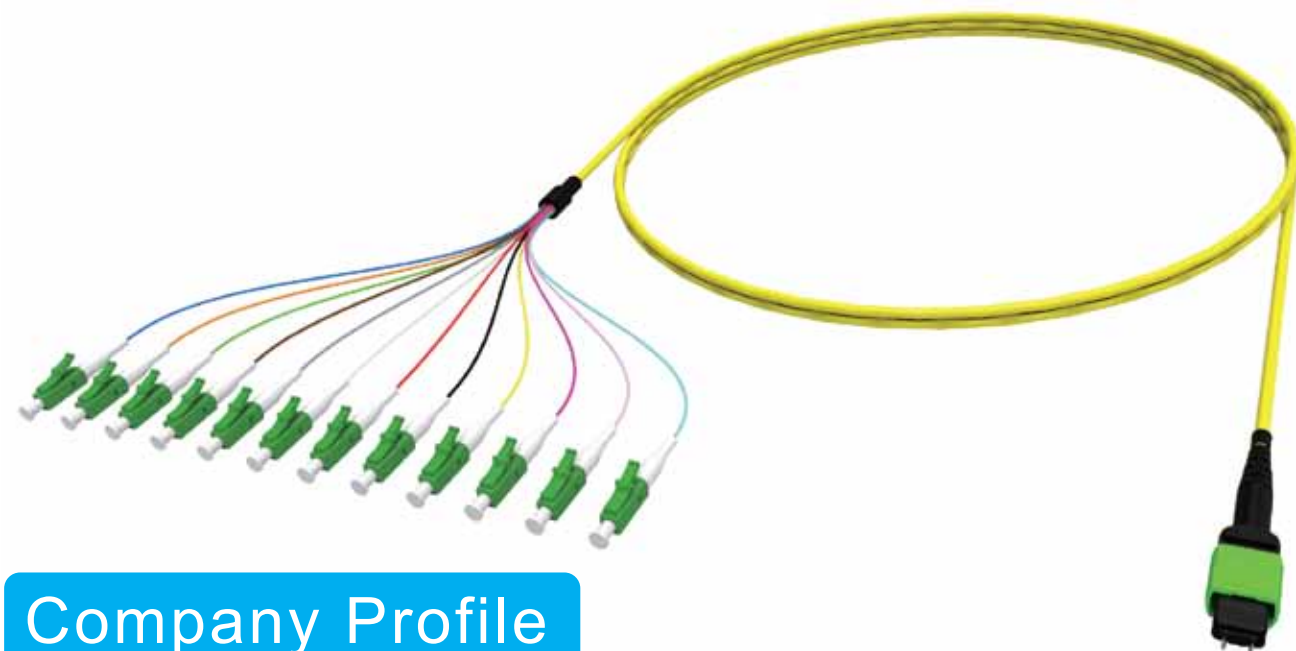
Our Panels are widely used in the city and country cable network, the data and graph transfer system, the CATV wired TV series, the direct and branch connection of the indoor cable, which acts as pigtail storage and connector protection. It is made of cold-rolled steel sheet by electrostatic plastic spraying, and has proper structure and neatly-looking. We can fix the cable by strengthening core in the terminal box, and its ports can be replaced according to the practical engineering requirements, the panel of this product, on which adapter is installed can be replaced optionally by FC, SC, ST, LC, and it is also suitable for both ribbon optical fiber cable and common optical fiber cable.



Pre-assembly 12 colored pigtail



We can provide OEM/ODM
The figure shows only a part of our products.



Company Profile

Shenzhen Fibercan Optical was established in 2005, after many years of development, it has become a leading and professional fiber optical passive components manufacturer in Shenzhen. We provide a full range of fiber optic passive products to our customers both at home and abroad, which including: Fiber optic connector, fiber optic jumpers and pigtail, attenuators, adaptors, splitters, patch panel box, etc.

Providing the best solution is our main goal. With our vast engineering and knowledge base, we are well positioned to support you with the best solution, value and service for all your challenging requirements.

QUALITY - We are dedicated to the continual improvement of our products and services. All products are manufactured and tested to meet the most stringent industry standards.

SERVICE - We provide our customers the best possible service to guarantee full satisfaction. We constantly seek enabling technologies and solutions to help our customers cope with ever changing environment and requirements. We help you stay competitive by constant innovation and quality.

VALUE - We are constantly designing solutions and products to meet your demand. Our goal is to add value to your business by offering extremely competitive prices while maintaining superior performance.



ISO Certificate



HI-TECH Certificate



Certificate from R&M



Our Test Device



BR-UV aging tester



Temp&Humidity Chamber



Salt Spray Test Machine