

Cable

FOCUS ON QUALITY

We always focuses on reliable quality development. By complying with our quality policy "Continue to pursue excellent quality, offer the best products and services in order to realize customer needs and satisfaction", all along we strive for providing excellent products and service to meet and exceed our customer's need. We constantly works with modern quality management methods to ensure the whole service procedure is implemented flexibly and efficiently.



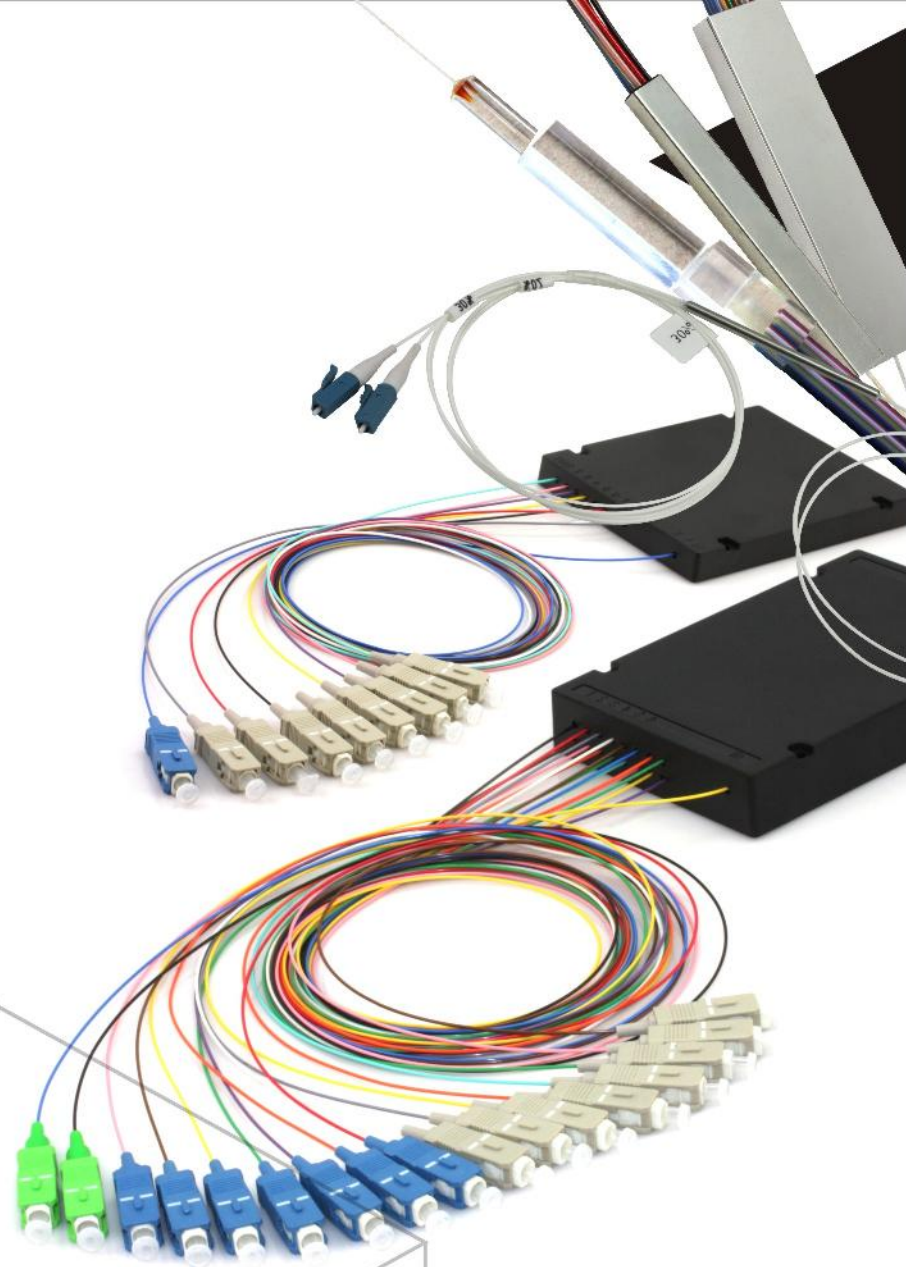
Passive Components

- Patch Cord
- Pigtail
- Adapter
- Connector
- Attenuator
- Coupler/Splitter

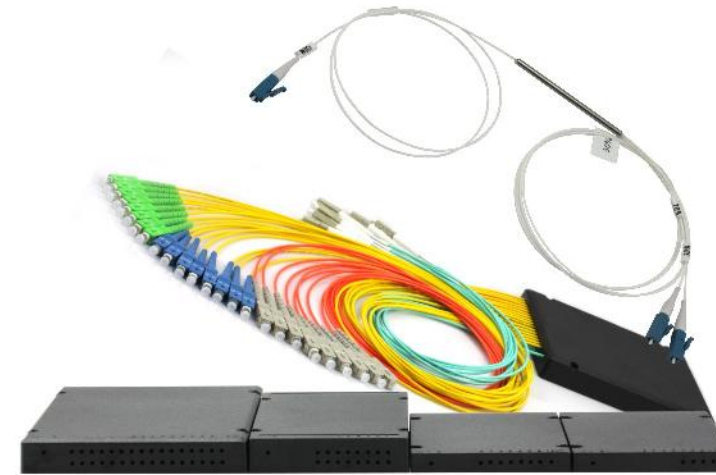
Passive Components

Coupler/Splitter

Our Splitters are ideal for GPON/ EPON Projects, CATV and other applications. Our Products include Coupler, PLC splitter and WDM.



Coupler/Splitter



DESCRIPTION

Couplers for single-mode fiber with low radius of curvature consist of one or two branches of entry and multiple outputs (2, 4, 8, 16, 32, 64). They are designed to introduce insertion loss of approximately equal in all its out put branches. The connection ends terminated with connectors can satisfy the client's request, may be both angular convex polishing and high return loss (APC). In network design, optical couplers are of ten used, either for tap-off, or to divide/combine optical signals. We offer a range of 1x2 couplers with a splitting ratio ranging from 5/95 to 50/50 using on fused technology. The product group features low insertion loss and is specially designed for broadband networks as well as long-haul transmission systems.

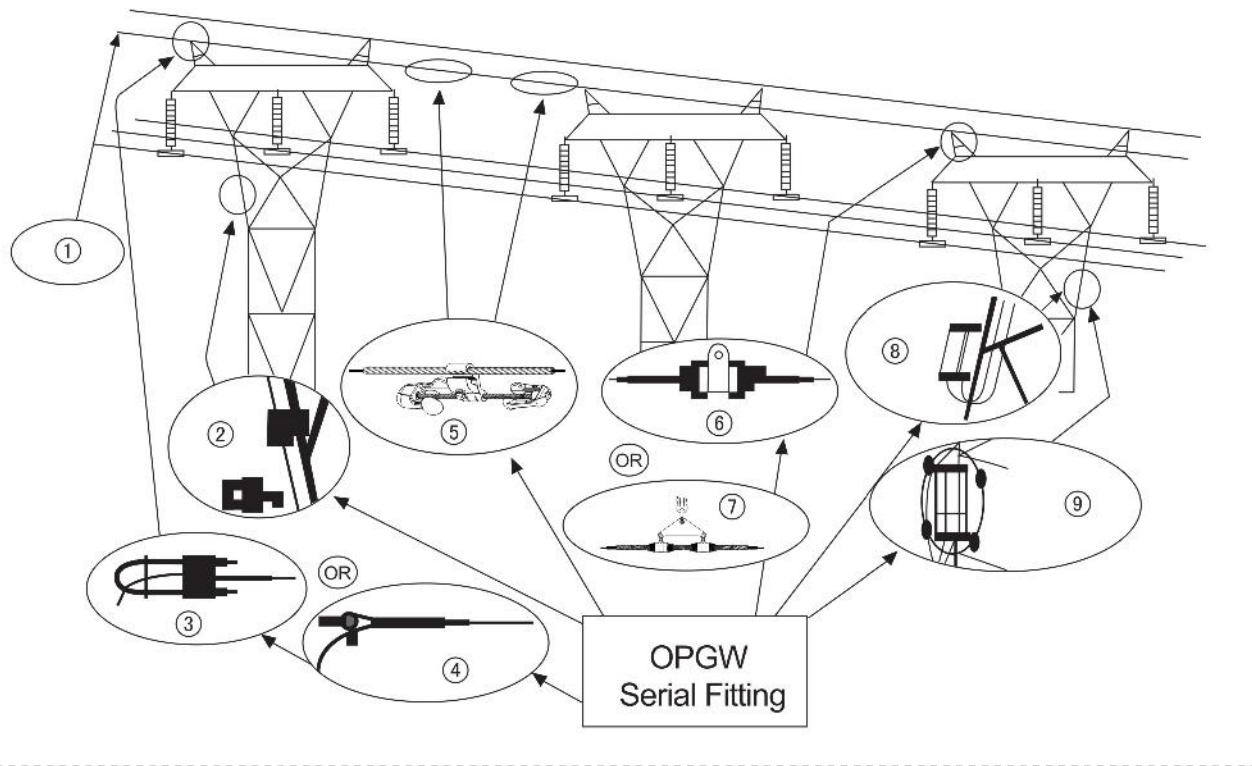
Coupler

TECHNICAL SPECIFICATIONS

Parameter	Singlemode 1x2		Multimode 1x2(2x2)		Singlemode 1x3 1x4		
	Premium	Standard	Premium	Standard			
Operating wavelength (nm)	1310 and 1550		850 and 1300		1310 and 1550		
Operating bandwidth (nm)	±40						
Insertion loss (dB)	50/50	≤3.6	≤3.8	≤3.7/3.7	≤4.0/4.0	≤6.2	≤7.5
	40/60	≤4.7/2.7	≤4.9/2.9	≤4.7/2.7	≤5.0/3.0		
	30/70	≤6.0/1.9	≤6.3/2.1	≤6.0/2.1	≤6.3/2.4		
	20/80	≤7.9/1.3	≤8.4/1.4	≤7.8/1.4	≤8.1/1.7		
	10/90	≤11.2/0.75	≤12.0/0.8	≤11.2/0.9	≤11.6/1.2		
	5/92	≤14.6/0.4	≤15.5/0.5				
	5/95			≤14.5/0.7	≤15.0/1.0		
	3/97	≤17.0/0.35	≤17.8/0.45				
	2/98	≤18.8/0.3	≤19.5/0.4	≤18.6/0.6	≤19.4/0.9		
	1/99	≤22.5/0.25	≤23.5/0.35	≤22.0/0.5	≤22.8/0.8		
Uniformity(50/50)(dB)			≤0.5	≤0.8	≤1.5	≤1.8	
PDL(dB)	≤0.15	≤0.2					
Operating Temperature(°C)	-40~+85		-40~+85		-10~+70		
Storage Temperature(°C)	-40~+85				-40~+85		
Fibre Type	SMF28		50/125 or 62.5/125 Multimode				
Max Power Handling	500						
Fibre lead length			1 m, others on request				
Package Dimension (mm)	250um bare Fibre	Φ3.0×54		Φ3.0×54		Φ3.0×54	
	900 μm Loose tube	Φ3.0×60		Φ3.0×54		Φ4.0×65	
	2mm, 3mm cable	90x14x8.5(ABS BOX)		90x14x8.5		100x80x10	

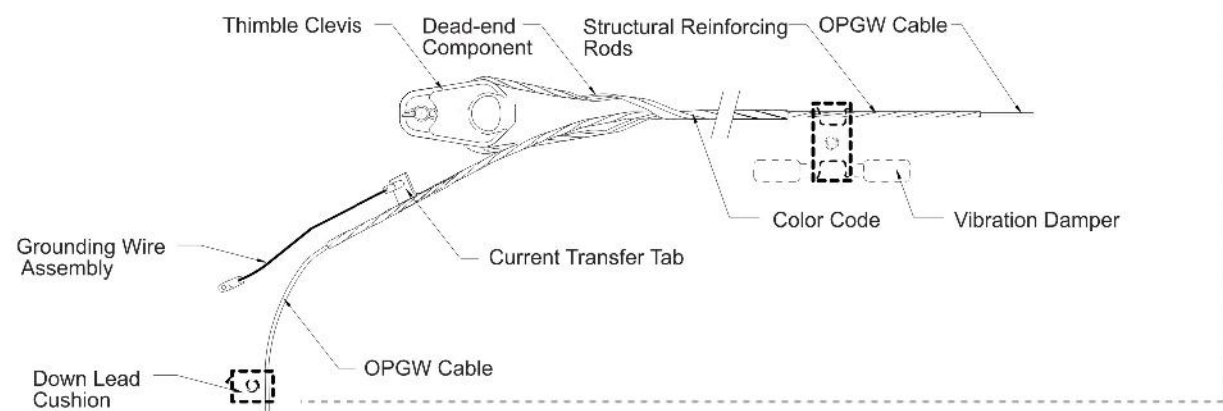
Power Cable

OPGW Fitting

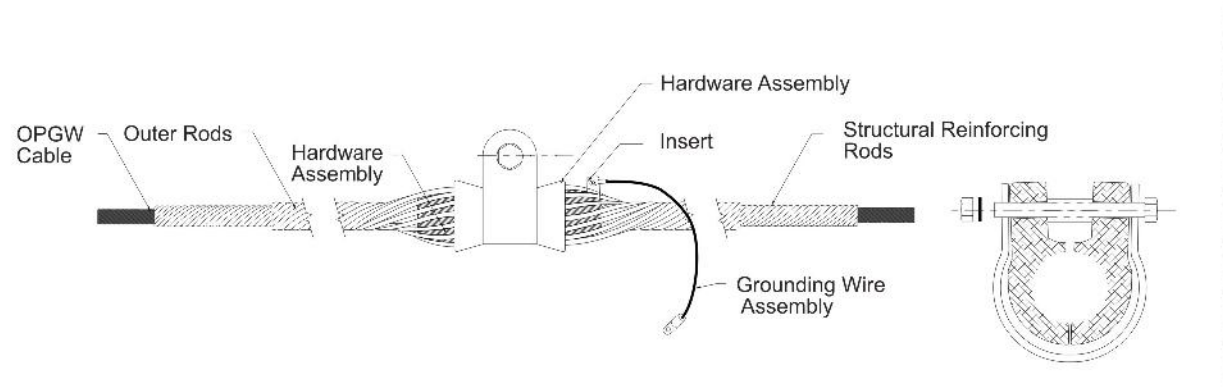


- ①OPGW Cable
- ②Down Lead Cushion
- ③U-BOLT Dead-end
- ④FORMED WIRE Dead-end
- ⑤Dogbone Damper
- ⑥Single Suspension Fitting
- ⑦Dual Suspension Fitting
- ⑧Splice Case
- ⑨Vertical Cable Storage

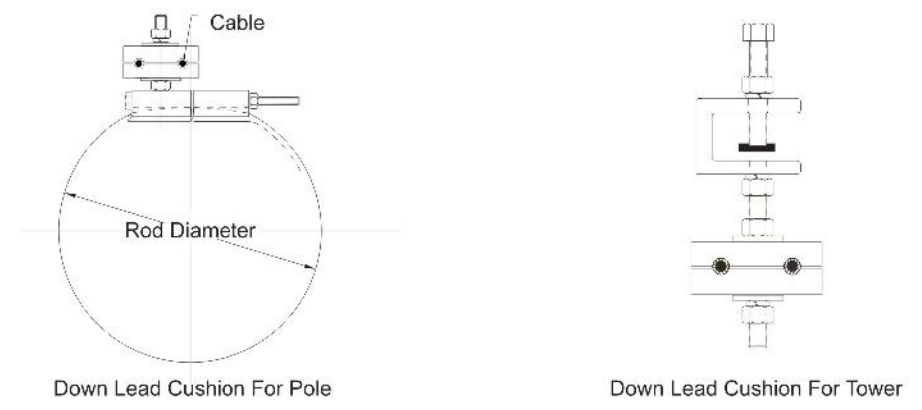
OPGW Dead-ends Fitting



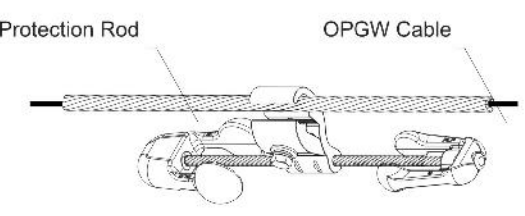
OPGW Single Suspension Fitting



OPGW Down Lead Cushion



OPGW Dogbone Damper



Coupler/Splitter

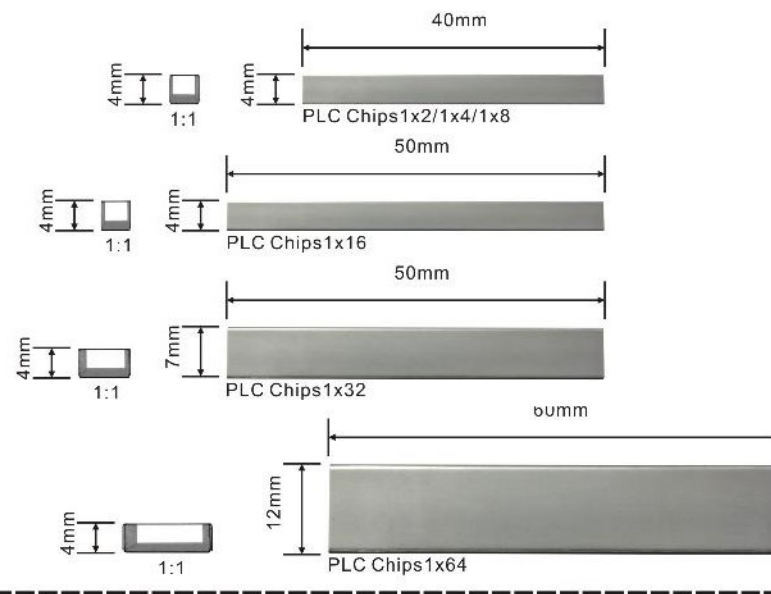
PLC

FEATURES

- Low insertion loss
- High channel isolation
- High stability and reliability
- Customized packaging and Configuration

APPLICATIONS

- Line monitoring
 - WDM network, CATV
 - Telecommunication
 - Cellular Application
 - Fiber optical amplifier
- They are provided in two form: tube type and ABS box Type.



ABS Box Type 1x2
90mm



ABS Box Type 1x4/1x8

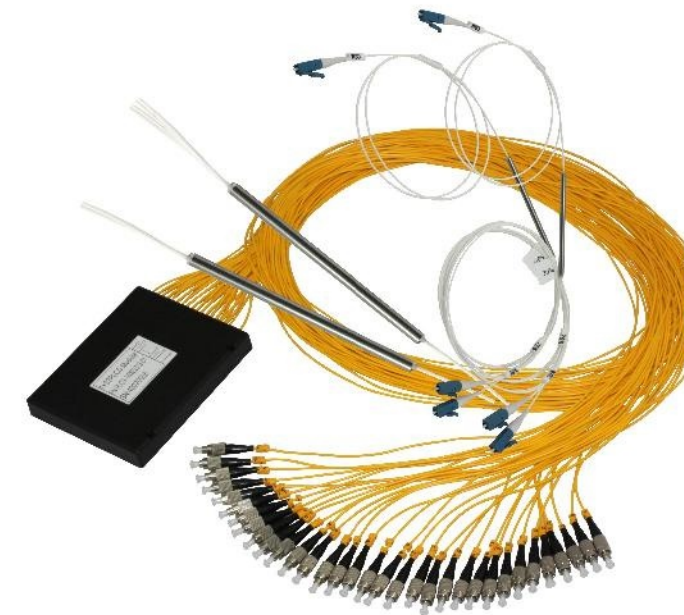


1:4

1:4
ABS Box Type 1x16



1:4
ABS Box Type 1x32



DESCRIPTION

WDM/CWDM can solve the shortage of fiber and transparent transmission of business, and reduce the cost of network building. With low-cost, low power consumption and small compact, it is widely used in metro aggregation and access layer to do transmission in a short time.

WDM/CWDM

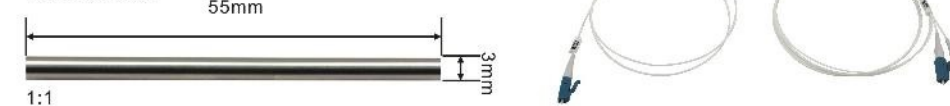
FEATURES(WDM)

- Low insertion loss
- Low polarization sensitivity
- Excellent environmental reliability

APPLICATIONS(WDM)

- Fiber optic communication system
- Local area network
- CATV
- Fiber optic sensor
- Testing instrument

Tube Type 1x2



1:1

ABS Box Type 1x2
90mm



1:2

SPECIFICATIONS(WDM)

Operating wavelength	1310/1550	980/1550
Bandwidth	±20	±20
Max insertion loss (dB)	0.15	0.15
Min bandwidth isolation (dB)	17	18
Min isolation (dB)	≥23	≥25
Polarization sensitivity loss (dB)	≤0.1	≤0.1
Temperature stability (dB/°C)	≤0.002	
Directivity (dB)	≥55	
Dimension (mm)	A:φ3.0X56 or customization	
Operating temperature (°C)	-20to +70	
Pigtail length (m)	1m or customization	

Coupler/Splitter

FEATURES(CWDM)

- Low insertion loss
- Low PDL
- High isolation
- Excellent environmental reliability

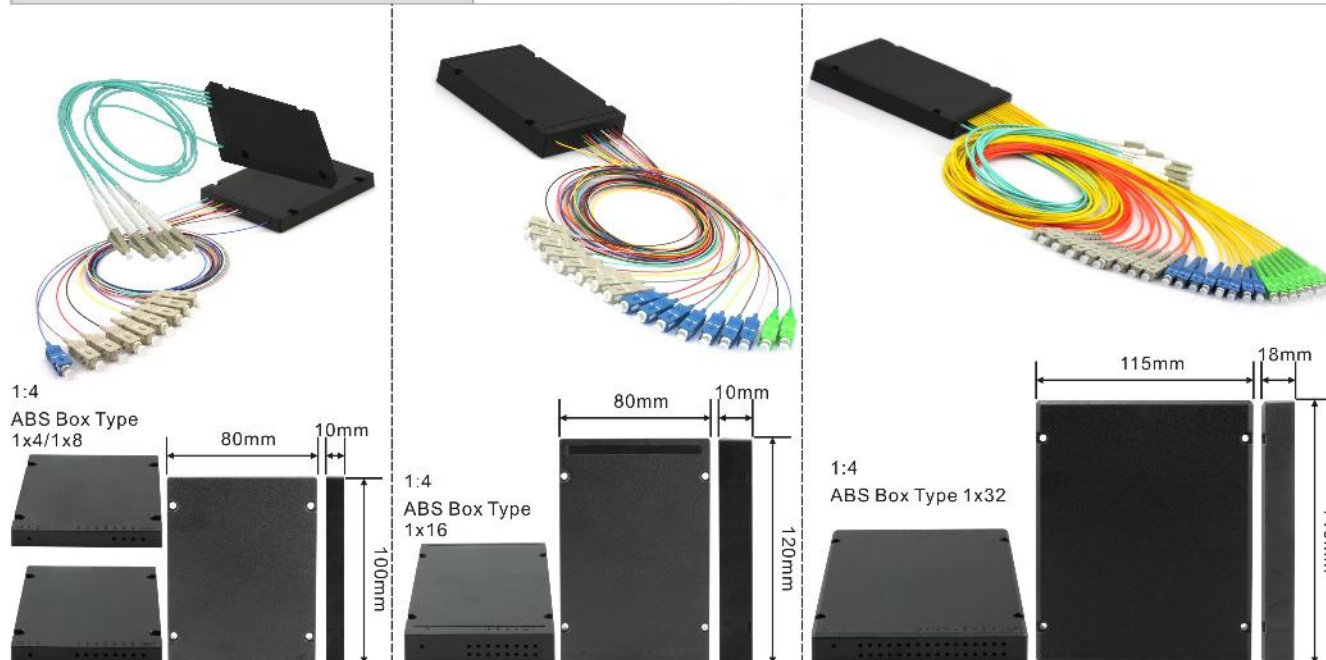
APPLICATIONS(CWDM)

- FWDM system
- MAN
- CATV system

WDM/CWDM

SPECIFICATIONS(CWDM)

Channel No. (λ)	2	3	4	5	6	7	8	9
Max insertion loss (dB)	0.8	1.0	1.4	1.8	2.2	2.6	3.0	3.4
Center wavelength (nm)	1310.1470.1490.1510.1530.1550.1570.1590.1610							
Passband width (nm)	±6.5							
Passband flatness (dB)	≤0.5							
Adjacent channel isolation (dB)	≥30							
Non-Adjacent channel isolation (dB)	≥45							
Wavelength thermal stability (nm/°C)	<0.002							
Insertion loss thermal stability (dB/°C)	≤0.005			≤0.005			≤0.007	≤0.008
Return loss (dB)	≥50(SM)							
Polarization mode dispersion (ps)	≤0.01		≤0.01		≤0.15		≤0.15	
PDL (dB)	≤0.01		≤0.15		≤0.20		≤0.25	
Directivity (dB)	≥50							
Max optical power (mw)	500							
Operating temperature (°C)	-20 to +70							
Storage temperature (°C)	-40 to +85							
Dimension (mm)	100X80X10							
	1. 16 channels WDM (wavelength from 1270nm-1610nm) can be customized. 2. Rack-mount on request is available							



ORDERING INFORMATION

Part Number Generator

Product Name	Package Type	Channel	Wave Length	000.0=Input Length(m)**	Input Connector Type
A PLC Coupler	T Tube	102 1x2	A 1310 Single Window	001.2	N None
B Splitter/Coupler	AB ABS Box	1012 1x12	B 1550 Single Window		SC SC
C WDM		1014 1x14	C 1310 and 1550 Dual Window		ST ST
		103 1x3	Other		FC FC
		104 1x4			LC LC
		202 2x2			MT MTRJ
		204 2x4			MU MU
		106 1x6			E2 E2000
		108 1x8			MP MPO
		208 2x8			Other
		1010 1x10			

000.0=Output Length(m)**	Output Connector Type	SM/MM	Pigtail Type	Fibre Type	00=% Splitter Ratio
001.2	N None	S SM	1 0.25 mm Bare Fibre	A G652	60:20:20
	SC SC	M MM	2 0.9 mm Tight Buffer	B G652D	
	ST ST		3 0.9 mm Loose Tube	C G655	
	FC FC		4 2.0 mm	D G655D	
	LC LC		5 2.8 mm	E G657	
	MT MTRJ		6 3.0 mm	Other	
	MU MU				
	E2 E2000				
	MP MPO				
	Other				

Example Part Number

A T 103 A 001.2 N 001.2 N SM 1 A 60:20:20

This part number generator has created a: 1 x 3(1 in 3 out) Metal Tube Type PLC coupler, the wave length is 1310 single window, both side have no connectors, SM G652 0.25mm bare fiber only. The fibre length for input side is 1.2 meters, for out put side is 1.2 meter, with splitter ratio is 60:20:20.

Passive Components

Attenuator

Our attenuator include SC, LC, ST, FC, and MU connector types. The attenuation values available from 1dB to 20dB. FC/SC/ST/LC/MU Male to Female Attenuator



Attenuator



Attenuator

DESCRIPTION

Attenuator is generated by attenuating fiber and provides a controlled attenuation over a very broadband width. The low return loss and high temperature range ensure excellent performance in the most demanding applications. Fixed type and Variable type are also available. Plug-In Fixed Attenuator are mainly used for adjusting the Optical Power to a desired level. By using Metal-Ion Doped Optical Fibers, the Plug-In Fixed Attenuator convert optical power into heat and the power is then attenuated inside the devices. The structures of the Plug-In Fixed Attenuator are simple and the power-proof and performance stability is superior when compared to our competitor's products that utilize a metal membrane. We offer multiple options including SC, LC, ST, FC, and MU connector types and definable attenuator values from 1db to 20dB. They are available in Single Mode and multimode (most of them are used in singlemode @ 1310nm/1550nm)

APPLICATIONS

Our attenuator provide a cost-effective and convenient solution for all your inline attenuation requirements. Ideal for laboratory, manufacturing, or field applications, such as Telecommunication networks; CATV Networks ; Data Communications ; Test & measurement



TECHNICAL SPECIFICATIONS

Definable attenuation	1dB ,2dB,3dB,5dB,7dB,10dB,15dB,20dB
Polish type	PC, UPC, and APC polishtypes
Attenuation Accuracy	+/-0.5 (1~10) +/-1.0 (11~20)
Polarization Dependent Loss	Less than 0.2dB
Operating Temp Range (°C)	-40~ 80

Attenuator

ORDERING INFORMATION

Part Number Generator

Product Name	Adapter/Connector Type	SM/MM	Attenuate Rate dB	Dust Cover color																																																																								
A Attenuator	<table border="1"> <tr><td>SC</td><td>SC</td></tr> <tr><td>ST</td><td>ST</td></tr> <tr><td>FC</td><td>FC</td></tr> <tr><td>LC</td><td>LC</td></tr> <tr><td>MT</td><td>MTRJ</td></tr> <tr><td>MU</td><td>MU</td></tr> <tr><td>E2</td><td>E2000</td></tr> <tr><td>MP</td><td>MPO</td></tr> <tr><td></td><td>Other</td></tr> </table>	SC	SC	ST	ST	FC	FC	LC	LC	MT	MTRJ	MU	MU	E2	E2000	MP	MPO		Other	<table border="1"> <tr><td>S</td><td>SM</td></tr> <tr><td>M</td><td>MM</td></tr> <tr><td>A</td><td>APC</td></tr> </table>	S	SM	M	MM	A	APC	<table border="1"> <tr><td>1</td><td>1dB</td></tr> <tr><td>2</td><td>2dB</td></tr> <tr><td>3</td><td>3dB</td></tr> <tr><td>4</td><td>4dB</td></tr> <tr><td>5</td><td>5dB</td></tr> <tr><td>6</td><td>6dB</td></tr> <tr><td>7</td><td>7dB</td></tr> <tr><td>8</td><td>8dB</td></tr> <tr><td>9</td><td>9dB</td></tr> <tr><td>10</td><td>10dB</td></tr> <tr><td>11</td><td>15dB</td></tr> <tr><td>12</td><td>20dB</td></tr> <tr><td>13</td><td>25dB</td></tr> <tr><td></td><td>Other</td></tr> </table>	1	1dB	2	2dB	3	3dB	4	4dB	5	5dB	6	6dB	7	7dB	8	8dB	9	9dB	10	10dB	11	15dB	12	20dB	13	25dB		Other	<table border="1"> <tr><td>NR</td><td>No Requirement</td></tr> <tr><td>CL</td><td>Clear</td></tr> <tr><td>WH</td><td>White</td></tr> <tr><td>BK</td><td>Black</td></tr> <tr><td>YE</td><td>Yellow</td></tr> <tr><td>BE</td><td>Beiga</td></tr> <tr><td>GR</td><td>Green</td></tr> <tr><td>RE</td><td>Red</td></tr> <tr><td>NC</td><td>No color</td></tr> <tr><td></td><td>Other</td></tr> </table>	NR	No Requirement	CL	Clear	WH	White	BK	Black	YE	Yellow	BE	Beiga	GR	Green	RE	Red	NC	No color		Other
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Example Part Number

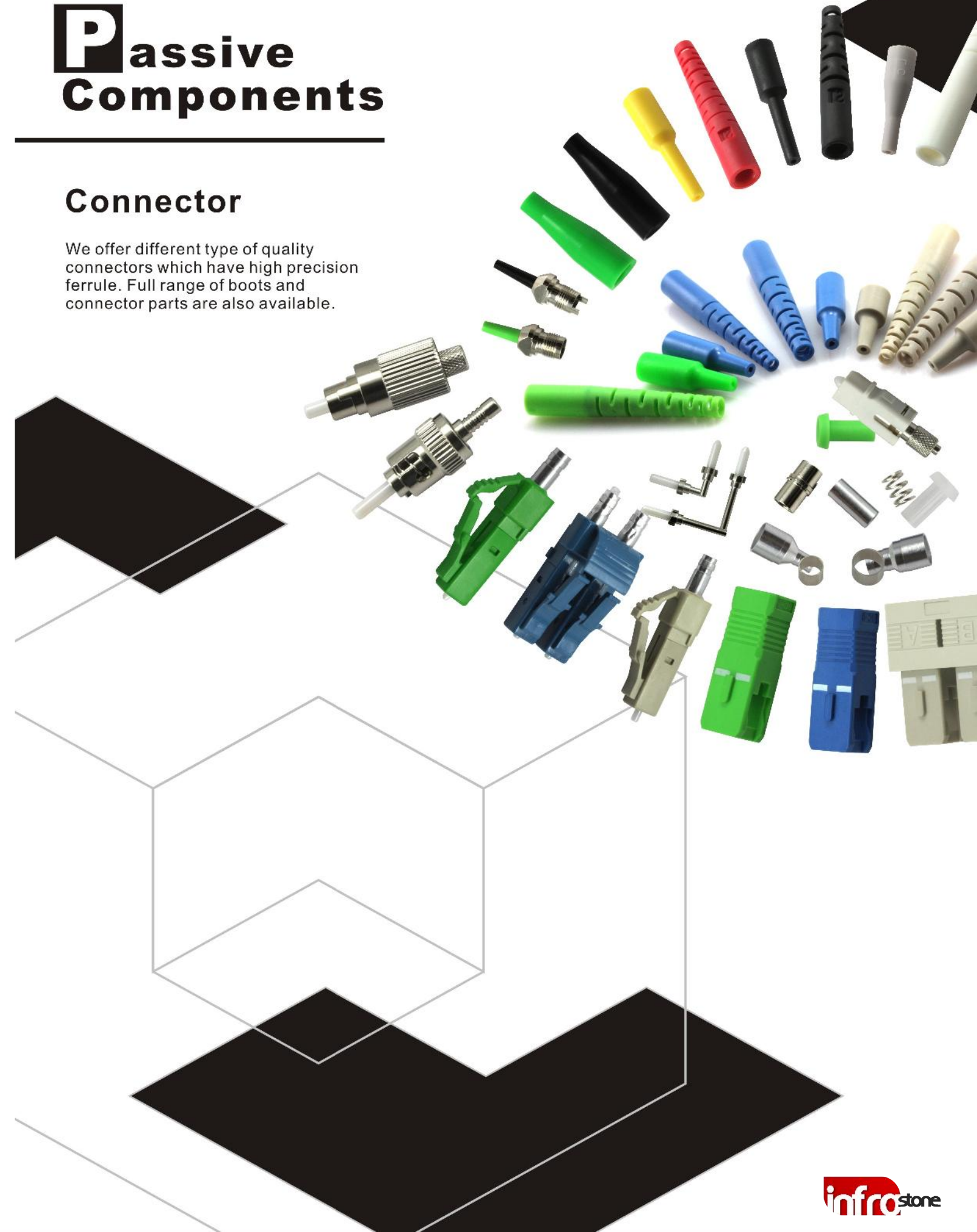
A SC S 1 NR

This part number generator has created a:
SC type Single Mode 1dB attenuator, for dust cover color, no requirement.

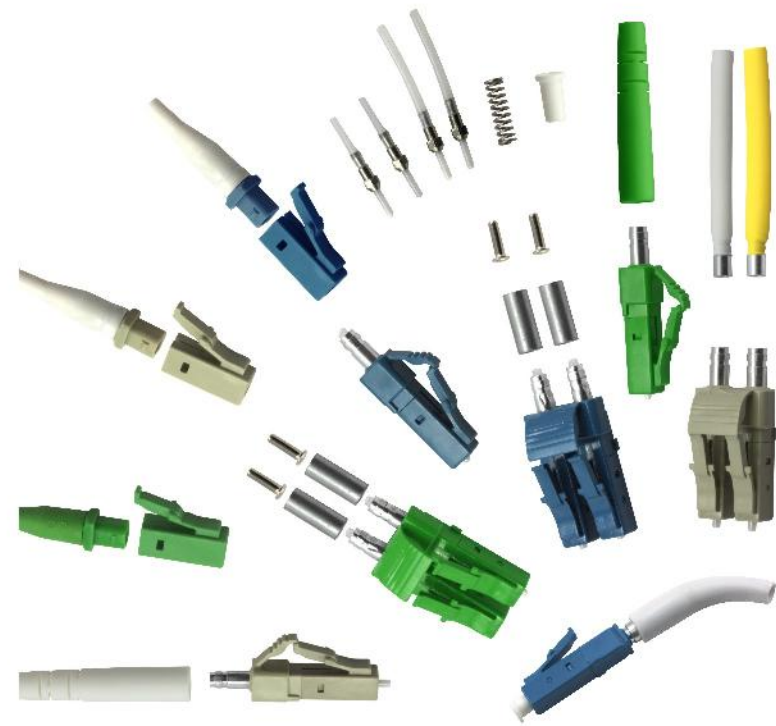
Passive Components

Connector

We offer different type of quality connectors which have high precision ferrule. Full range of boots and connector parts are also available.



Connector



LC Connectors

DESCRIPTION

LC connector has advantages precision of SC and ST in a Small Form Factor (SFF), high design. The LC connector helps reduce space on panels or outlets by 50%. It is cost effective as it simplifies movement, addition and modification. It uses the standard RJ-style telephone connector which gives an audible click upon engaging. We manufacture a range of LC connectors suitable for various applications. The LC connector uses a 1.25mm ferrule which is half the diameter of the standard ferrule.

TECHNICAL SPECIFICATIONS

Mechanical Properties	Criteria	Effect
Mechanical endurance	500 matings	<0.2 dB change
Vibration	10~55Hz, 0.75 amplitude	<0.2 dB change
Drop	Drop height 1m, 5 drops	<0.2 dB change
Cable retention	Magnitude 90 N	<0.2 dB change
Cable torsion	1.5kg~2.5kg for 2mm-3mm cable diameter	<0.2 dB change
Operating temperature	-25°C~+70°C, 12 cycles	<0.2 dB change
Cold	-25 for 96 hrs	<0.2 dB change
Dry Heat	+70 for 96 hrs	<0.2 dB change



LC Connectors

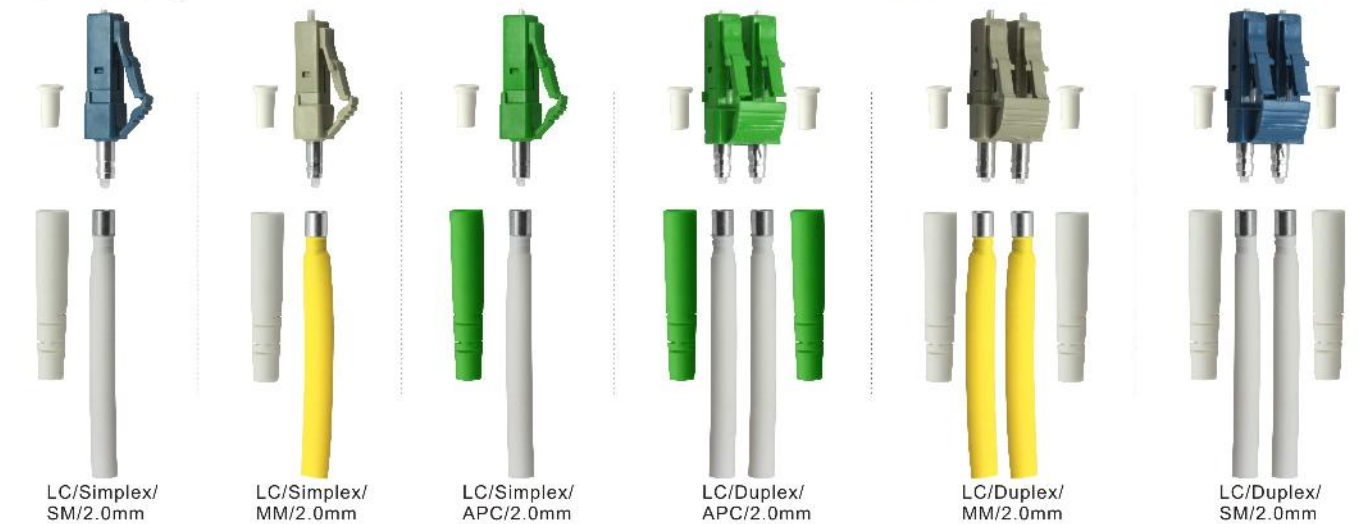
FEATURES

- Complies with IEC 61754-20 and TIA 604-10-A
- Compact design based on RJ45 style interface
- Low insertion loss and back reflection
- Zirconia ceramic ferrule with high and UPC finish
- RoHS, REACH SvHC compliant
- Available in standard colors and standard packaging

Half Assembling



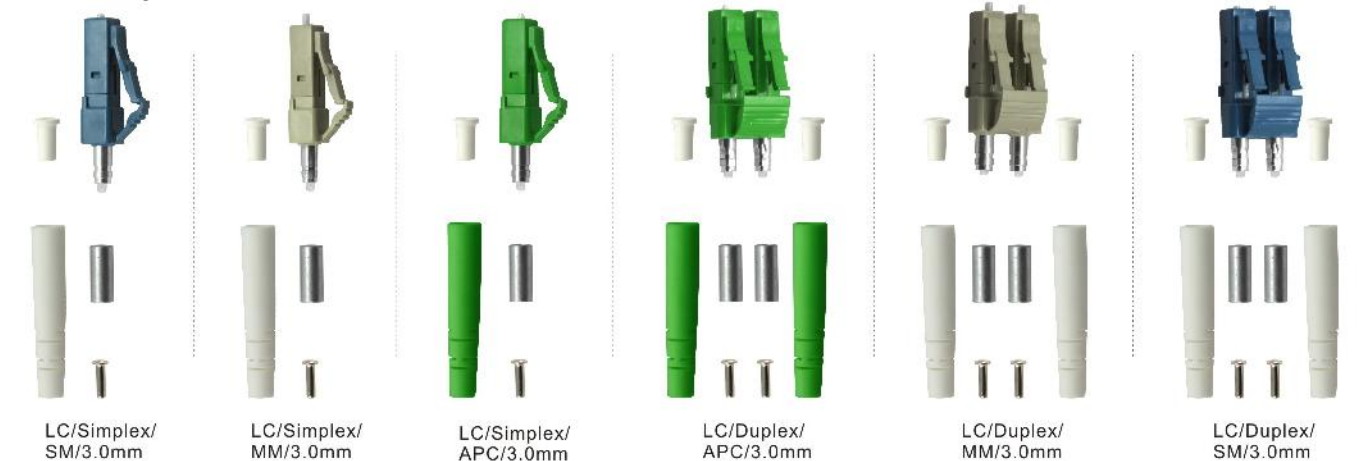
Half Assembling



LC CONNECTOR PC AND APC-SINGLEMODE

Optical Performance	High Performance	Premium	Standard
Insertion loss [Typ](dB)	0.10	0.15	0.25
Insertion loss [97%](dB)	0.20	0.30	0.40
Ave/Master(dB)	0.08	0.12	0.18
Ave/Random(dB)	0.08	0.12	0.18
Return Loss(dB)	55/70	55/65	55/65

Half Assembling



Connector



SC Connectors

DESCRIPTION

SC duplex connectors have 2 connectors, which allows each connector to be removed individually. In the event fiber polarity is reversed during termination, there's no need to discard the connector. Simply remove connectors from the clip and switch to correct the mistake, saving valuable installation time and money. The duplexing clip also speeds troubleshooting. In the event, there's a fault with a single connection, an individual connector can be removed from the clip and re-terminated without disturbing the adjacent connector.

TECHNICAL SPECIFICATIONS

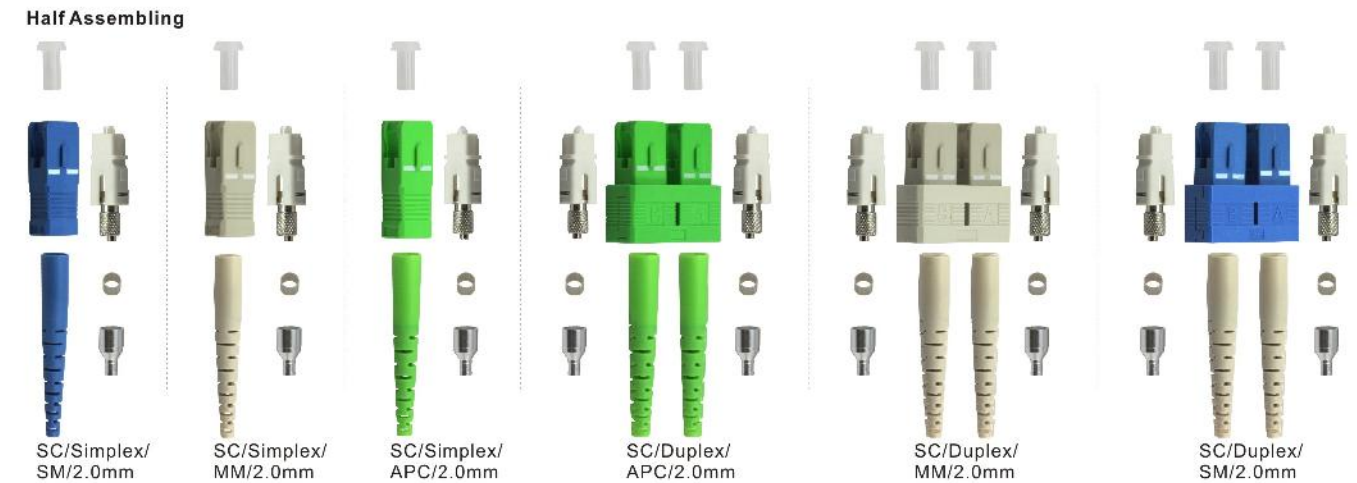
Mechanical Properties	Criteria	Effect
Mechanical endurance	500 matings	<0.2 dB change
Vibration	10~55Hz, 0.75 amplitude	<0.2 dB change
Drop	Drop height 1m, 5 drops	<0.2 dB change
Cable retention	Magnitude 90 N	<0.2 dB change
Cable torsion	1.5kg~2.5kg for 2mm-3mm cable diameter	<0.2 dB change
Operating temperature	-25°C~+70°C, 12 cycles	<0.2 dB change
Cold	-25 for 96 hrs	<0.2 dB change
Dry Heat	+70 for 96 hrs	<0.2 dB change



SC Connectors

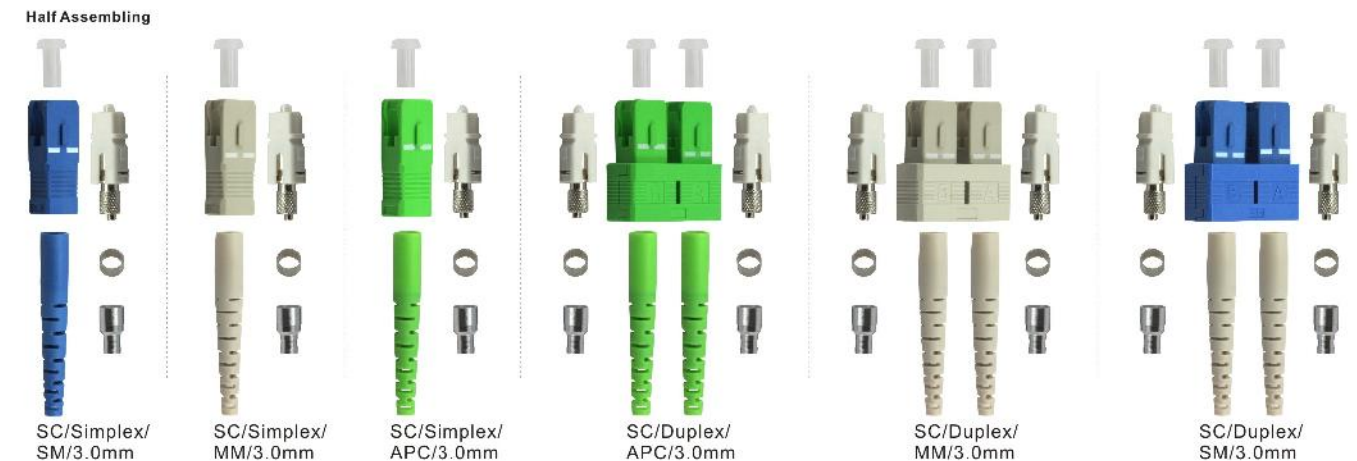
FEATURES

- Complies with IEC 61754-4, IEC 60784-14 and TIA 604-3
- A push-pull coupling mechanism for easy insertion and consistent connection
- Zirconia ceramic ferrule with high and Ultra Physical Contact (UPC) finish
- Low insertion loss and back reflection
- RoHS, REACH SvHC compliant



LC CONNECTOR PC AND APC-SINGLEMODE

Optical Performance	High Performance	Premium	Standard
Insertion loss [Typ](dB)	0.10	0.15	0.25
Insertion loss [97%](dB)	0.20	0.30	0.40
Ave/Master(dB)	0.08	0.12	0.18
Ave/Random(dB)	0.08	0.12	0.18
Return Loss(dB)	55/70	55/65	55/65



Connector

FC Connectors

DESCRIPTION

FC Connector features with 2.5 mm ferrule and a threaded coupling nut, for a secure connection in high vibration environments and in lab testing for consistent results. We manufactures a range of FC connectors suitable for various applications.

TECHNICAL SPECIFICATIONS

Mechanical Properties	Criteria	Effect
Mechanical endurance	500 matings	<0.2 dB change
Vibration	10~55Hz, 0.75 amplitude	<0.2 dB change
Drop	Drop height 1m, 5 drops	<0.2 dB change
Cable retention	Magnitude 90 N	<0.2 dB change
Cable torsion	1.5kg~2.5kg for 2mm-3mm cable diameter	<0.2 dB change
Operating temperature	-25°C~+70°C, 12 cycles	<0.2 dB change
Cold	-25 for 96 hrs	<0.2 dB change
Dry Heat	+70 for 96 hrs	<0.2 dB change

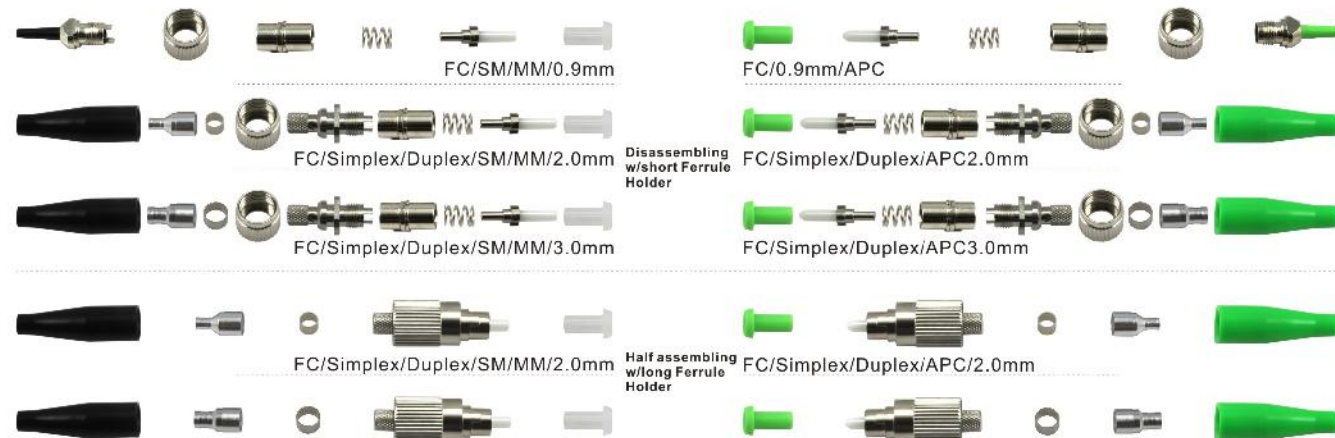


FEATURES

- Fixed and Removable Key Type Connector Available
- Various Options: Boot Color and Boot Type
- Telcordia GR-326 Compliant
- Precision Preradiused Zirconia Connector Ferrules

FC CONNECTOR PC AND APC-SINGLEMODE

Optical Performance	High Performance	Premium	Standard
Insertion loss [Typ](dB)	0.10	0.15	0.25
Insertion loss [97%](dB)	0.20	0.30	0.40
Ave/Master(dB)	0.08	0.12	0.18
Ave/Random(dB)	0.08	0.12	0.18
Return Loss(dB)	55/70	55/65	55/65



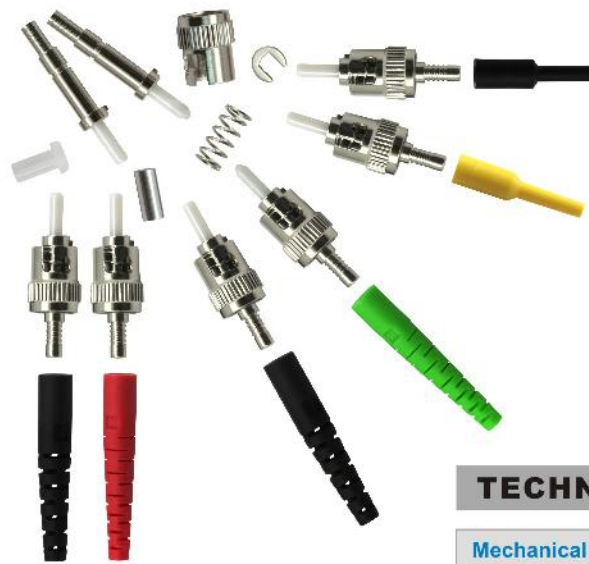
ST Connectors

DESCRIPTION

The ST connector employs a rugged metal bayonet coupling ring with radial ramps which facilitate engagement to the studs of the mating adapter. Our ST product utilizes tightly toleranced pre-radiused Zirconia ferrules to ensure consistent low loss and easy assembly.

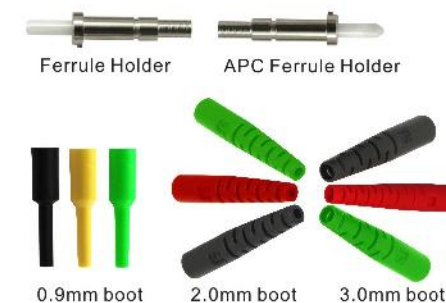
TECHNICAL SPECIFICATIONS

Mechanical Properties	Criteria	Effect
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Vibration	10~55Hz, 0.75 amplitude	<0.2 dB change
Drop	Drop height 1m, 5 drops	<0.2 dB change
Cable retention	Magnitude 90 N	<0.2 dB change
Cable torsion	1.5kg~2.5kg for 2mm-3mm cable diameter	<0.2 dB change
Operating temperature	-25°C~+70°C, 12 cycles	<0.2 dB change
Cold	-25 for 96 hrs	<0.2 dB change
Dry Heat	+70 for 96 hrs	<0.2 dB change



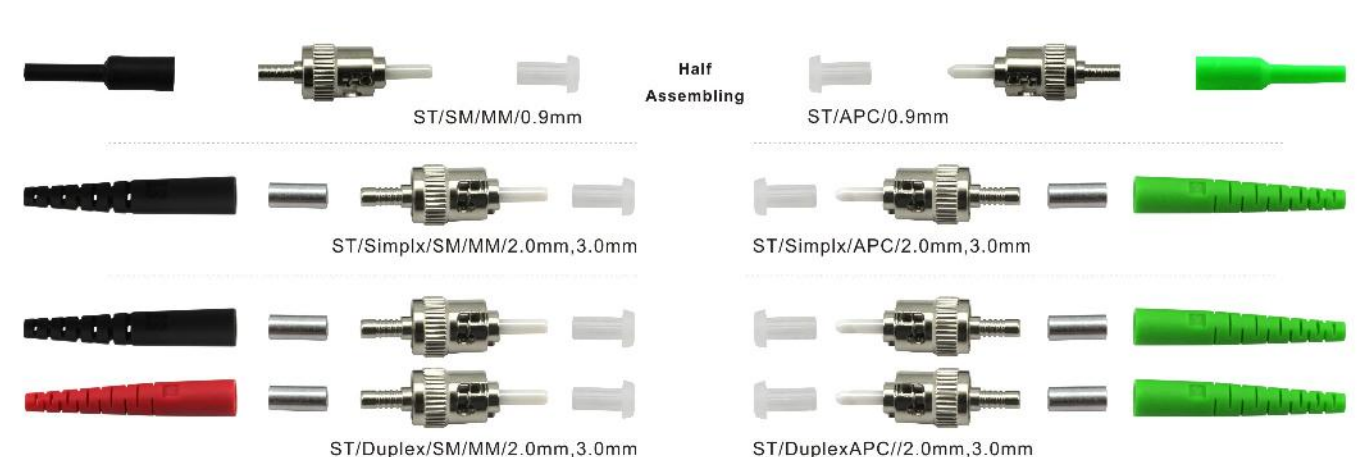
FEATURES

- Complies with IEC 61754-2 and TIA 604-2
- Low insertion loss and back reflection
- Bayonet shaped housing for easy termination
- Nickel plated brass body
- Zirconia ceramic ferrule with high end PC finish
- RoHS, REACH SvHC compliant



ST CONNECTOR PC AND APC-SINGLEMODE

Optical Performance	High Performance	Premium	Standard
Insertion loss [Typ](dB)	0.10	0.15	0.25
Insertion loss [97%](dB)	0.20	0.30	0.40
Ave/Master(dB)	0.08	0.12	0.18
Ave/Random(dB)	0.08	0.12	0.18
Return Loss(dB)	55/70	55/65	55/65



Connector

ORDERING INFORMATION

Part Number Generator

Product Name	Type	Simplex/Duplex	SM/MM	Boot Size																																
A One Piece Connector	<table border="1"> <tr><td>SC</td><td>SC</td></tr> <tr><td>ST</td><td>ST</td></tr> <tr><td>FC</td><td>FC</td></tr> <tr><td>LC</td><td>LC</td></tr> <tr><td>MT</td><td>MTRJ</td></tr> <tr><td>MU</td><td>MU</td></tr> <tr><td>E2</td><td>E2000</td></tr> <tr><td>MP</td><td>MPO</td></tr> </table>	SC	SC	ST	ST	FC	FC	LC	LC	MT	MTRJ	MU	MU	E2	E2000	MP	MPO	<table border="1"> <tr><td>S</td><td>Simplex</td></tr> <tr><td>D</td><td>Duplex</td></tr> </table>	S	Simplex	D	Duplex	<table border="1"> <tr><td>S</td><td>SM</td></tr> <tr><td>M</td><td>MM</td></tr> <tr><td>A</td><td>APC</td></tr> </table>	S	SM	M	MM	A	APC	<table border="1"> <tr><td>1</td><td>0.9mm</td></tr> <tr><td>2</td><td>2.0mm</td></tr> <tr><td>3</td><td>3.0mm</td></tr> </table>	1	0.9mm	2	2.0mm	3	3.0mm
SC	SC																																			
ST	ST																																			
FC	FC																																			
LC	LC																																			
MT	MTRJ																																			
MU	MU																																			
E2	E2000																																			
MP	MPO																																			
S	Simplex																																			
D	Duplex																																			
S	SM																																			
M	MM																																			
A	APC																																			
1	0.9mm																																			
2	2.0mm																																			
3	3.0mm																																			

Color of the Boots	Ferrule	Dust Cover color	Ferrule Holder																																																
<table border="1"> <tr><td>NR</td><td>No Requirement</td></tr> <tr><td>WH</td><td>White</td></tr> <tr><td>CL</td><td>Clear</td></tr> <tr><td>BL</td><td>Blue</td></tr> <tr><td>YE</td><td>Yellow</td></tr> <tr><td>RB</td><td>Red+Black</td></tr> <tr><td>AO</td><td>Aqua OM3</td></tr> <tr><td></td><td>Other</td></tr> </table>	NR	No Requirement	WH	White	CL	Clear	BL	Blue	YE	Yellow	RB	Red+Black	AO	Aqua OM3		Other	<table border="1"> <tr><td>A</td><td>Without Ferrule</td></tr> <tr><td>B</td><td>PU/UPC Ferrule</td></tr> <tr><td>C</td><td>APC Ferrule</td></tr> </table>	A	Without Ferrule	B	PU/UPC Ferrule	C	APC Ferrule	<table border="1"> <tr><td>NR</td><td>No Requirement</td></tr> <tr><td>WH</td><td>White</td></tr> <tr><td>CL</td><td>Clear</td></tr> <tr><td>BL</td><td>Black</td></tr> <tr><td>YE</td><td>Yellow</td></tr> <tr><td>BE</td><td>Beige</td></tr> <tr><td>GR</td><td>Green</td></tr> <tr><td>RE</td><td>Red</td></tr> <tr><td>NC</td><td>No color</td></tr> <tr><td></td><td>Other</td></tr> </table>	NR	No Requirement	WH	White	CL	Clear	BL	Black	YE	Yellow	BE	Beige	GR	Green	RE	Red	NC	No color		Other	<table border="1"> <tr><td>NR</td><td>No Requirement</td></tr> <tr><td>L</td><td>Long</td></tr> <tr><td>S</td><td>Short</td></tr> </table>	NR	No Requirement	L	Long	S	Short
NR	No Requirement																																																		
WH	White																																																		
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RE	Red																																																		
NC	No color																																																		
	Other																																																		
NR	No Requirement																																																		
L	Long																																																		
S	Short																																																		

Example Part Number

A SC S S 1 WH A WH NR

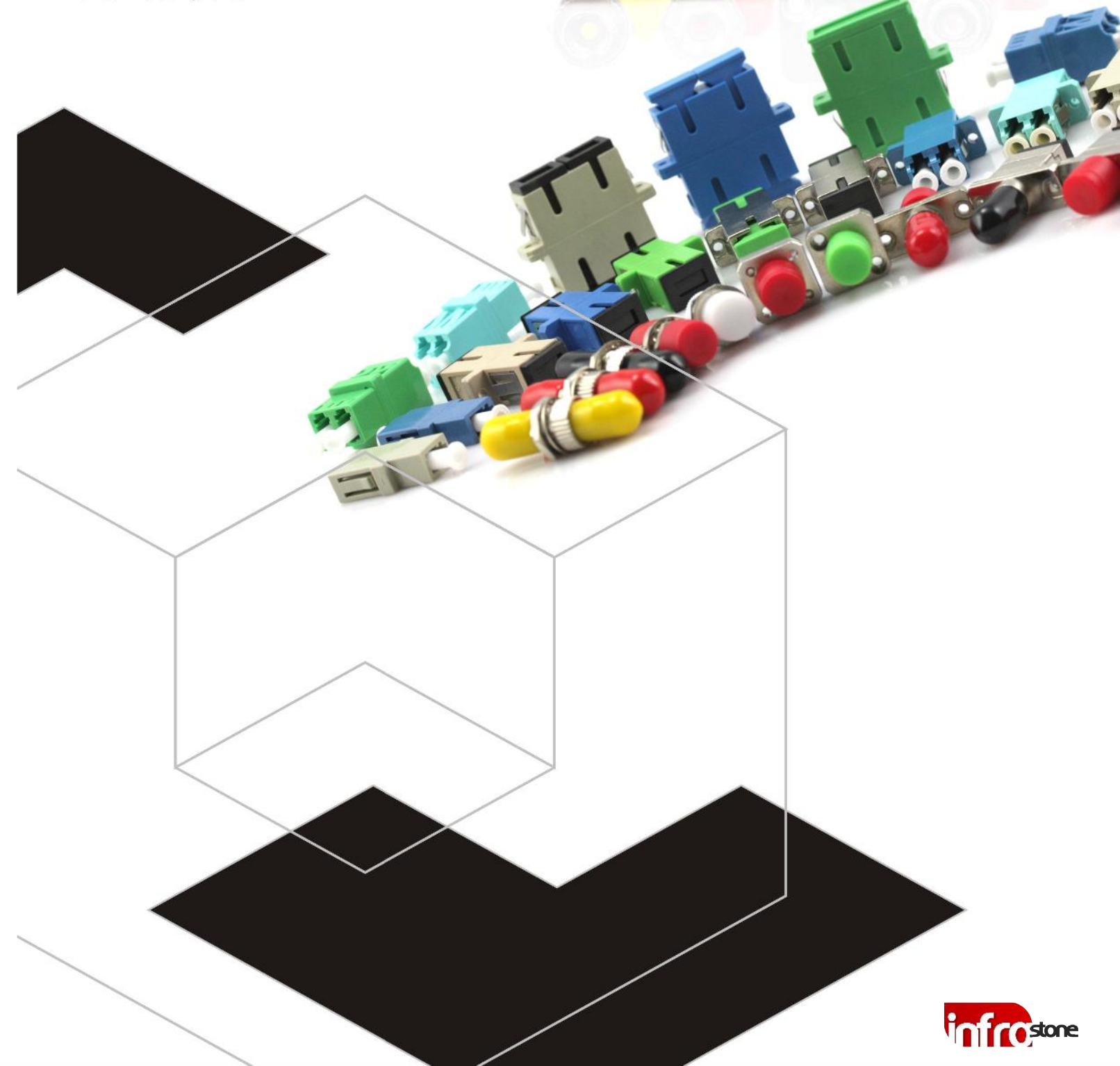
This part number generator has created a: SC simplex SM 0.9mm one piece connector, the color of the boots is white, white dust cover color and no any requirement for ferrule holder.

Passive Components



Adapter

We offer a range of higher quality adaptors which possess high precision alignment sleeves with favorable reliability and better re-connecting forte.



Connector

Polish Paper



E2000/MU/ MTRJ/MPO Connectors

DESCRIPTION

We also provide E2000, MTRJ, MU, MPO, SMA, D4 connectors.

FEATURES

- Complies with IEC 61754-6
- Fewer parts for easy assembly and corrosion resistant thermoplastic body.
- A push-pull coupling mechanism for easy insertion and high repeatability.
- Two connections in one SC shape adaptor
- Zirconia ceramic ferrule with high end PC finish.
- Low insertion loss and back reflection.
- ROHS, REACH SvHC

TECHNICAL SPECIFICATIONS

Mechanical Properties	Criteria	Effect
Mechanical endurance	500 matings	<0.2 dB change
Vibration	10~55Hz, 0.75 amplitude	<0.2 dB change
Drop	Drop height 1m, 5 drops	<0.2 dB change
Cable retention	Magnitude 90 N	<0.2 dB change
Cable torsion	1.5kg ~2.5kg for 2mm-3mm cable diameter	<0.2 dB change
Operating temperature	-25 ~+70, 12 cycles	<0.2 dB change
Cold	-25 for 96 hrs	<0.2 dB change
Dry Heat	+70 for 96 hrs	<0.2 dB change

Optical Performance	High Performance	Premium	Standard
Insertion loss [Typ](dB)	0.10	0.15	0.25
Insertion loss [97%](dB)	0.20	0.30	0.40
Ave/Master (dB)	0.08	0.12	0.18
Ave/Random (dB)	0.08	0.12	0.18
Return Loss (dB)	55/70	55/65	55/65



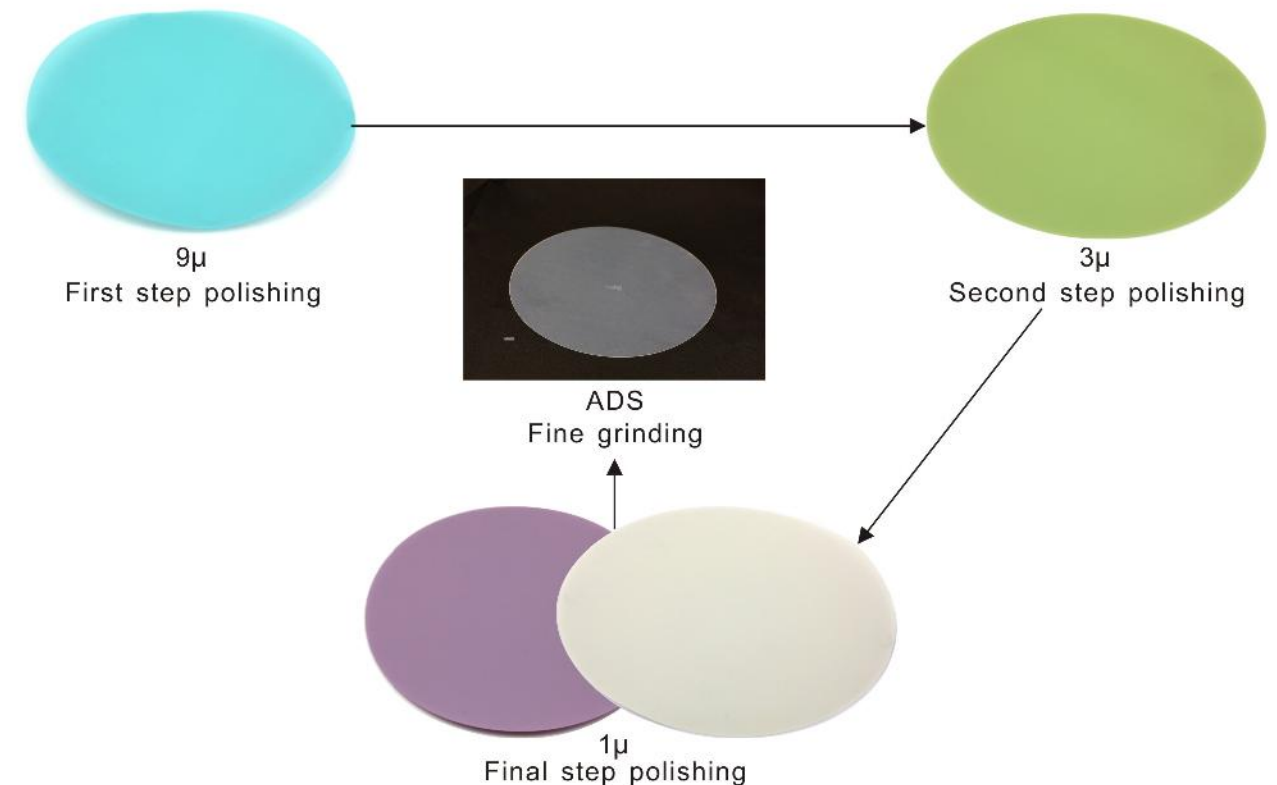
Polish Paper

DESCRIPTION

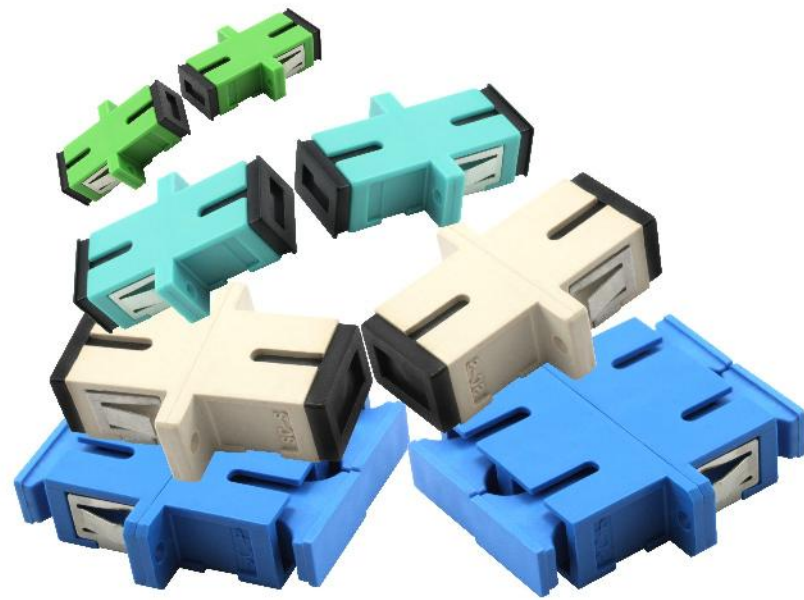
Premium Quality Polish paper is also available for 9μ, 3μ, 1μ ads, or customized requirements.

FEATURES

- Durable, long life
- Cost saving
- Design for most type of ferrule on the market
- Re-engineer for better ferrule contact face
- Low insertion loss
- Improve 3D test pass rate



Adapter



SC Adapters

FEATURES

- Compliant with : JIS, IEC, Bellcore
- Convenience and ease of handling
- Flanged or threaded mounting hardware
- Ceramic or Phosphorous bronze sleeves available
- Excellent concentricity
- Available: Single Mode, Multi Mode, APC; Simplex, Duplex; Plastic, Metal and Hybrid.

APPLICATIONS

- Telecommunication networks
- CATV Networks
- Data Communications
- Networks Active device termination
- Instrumentation Local Area Networks



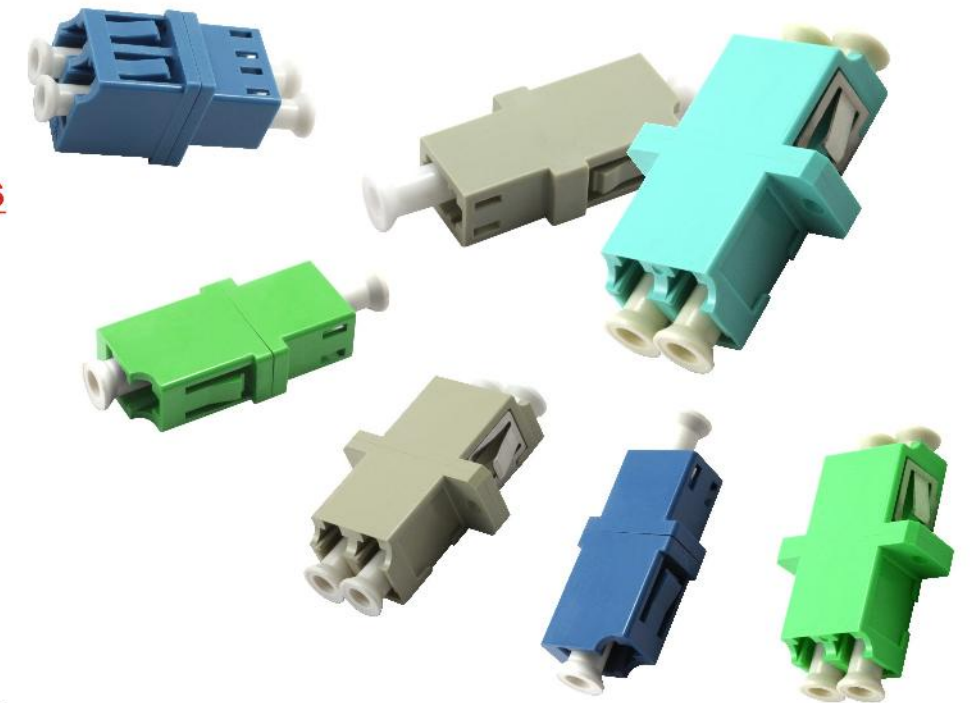
LC Adapters

FEATURES

- Compliant with : JIS, IEC, Bellcore
- Convenience and easy of handling
- Flanged or threaded mounting hardware
- Ceramic or Phosphorous bronze sleeves available
- Excellent concentricity
- Available: Single Mode, Multi Mode, APC; Simplex, Duplex; Plastic, Metal and Hybrid.

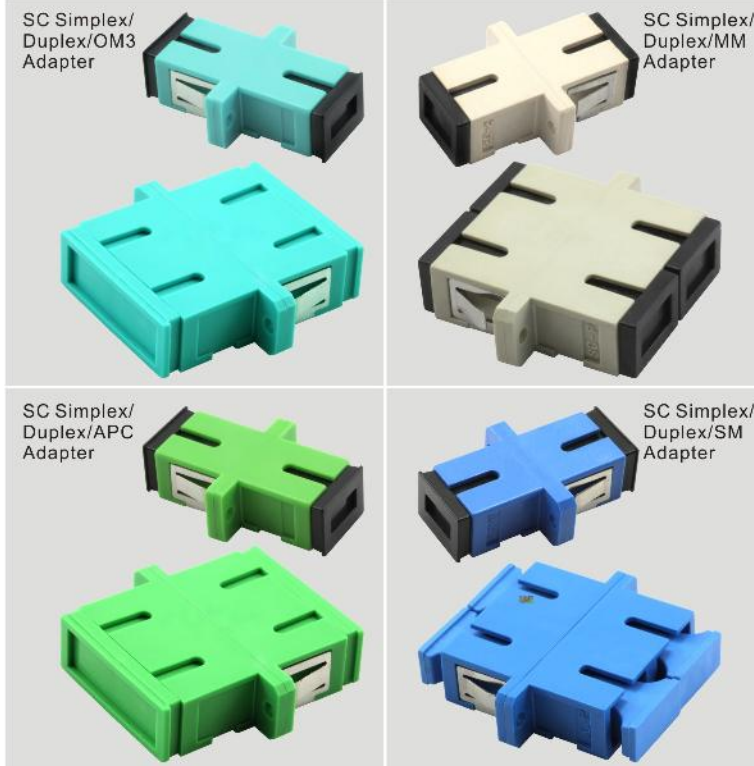
APPLICATIONS

- Telecommunication networks
- CATV Networks
- Data Communications
- Networks Active device termination
- Instrumentation Local Area Networks



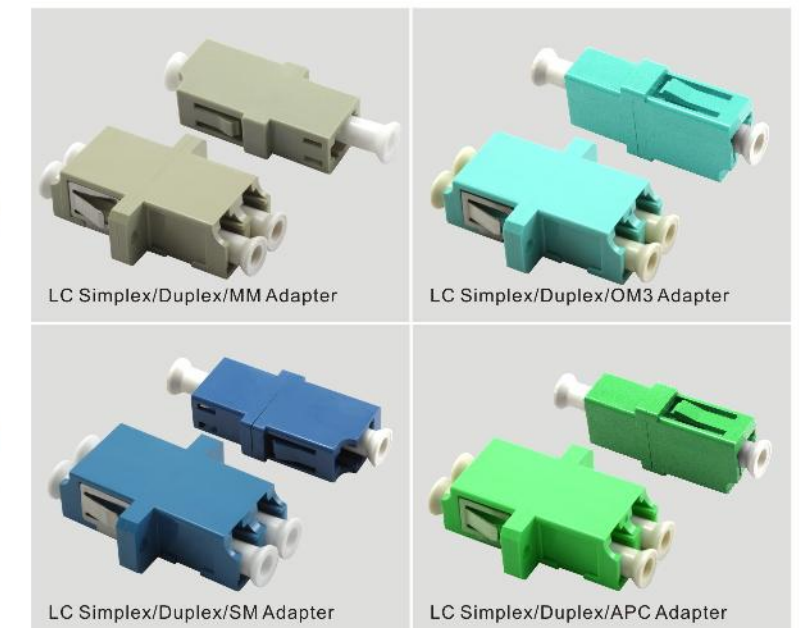
TECHNICAL SPECIFICATIONS

	Ceramic
Insertion Loss [Typ](dB)	≤0.2
Mating Durability	500
Receptacle Retention force(N)	1~2.5
Operating Temperature(°C)	-40~75
Melting Temperature(°C)	>120



TECHNICAL SPECIFICATIONS

	Ceramic
Insertion Loss [Typ](dB)	≤0.2
Mating Durability	500
Receptacle Retention force(N)	1~2.5
Operating Temperature(°C)	-40~75
Melting Temperature(°C)	>120



Adapter



FC Adapters

FEATURES

- Compliant with : JIS, IEC, Bellcore
- Convenience and ease of handling
- Flanged or threaded mounting hardware
- Ceramic or Phosphorous bronze sleeves available
- Excellent concentricity
- Available: Single Mode, Multi Mode, APC; Simplex, Duplex; Plastic, Metal and Hybrid.

TECHNICAL SPECIFICATIONS

	Ceramic
Insertion Loss [Typ](dB)	≤0.2
Mating Durability	500
Receptacle Retention force(N)	1~2.5
Operating Temperature(°C)	-40~75
Melting Temperature(°C)	>120

APPLICATIONS

- Telecommunication networks
- CATV Networks
- Data Communications
- Networks Active device termination
- Instrumentation Local Area Networks

FC Square Adapter



FC Big D Adapter



FC Uni-Body Square Adapter



FC Small D Adapter



ST Adapters

FEATURES

- Compliant with : JIS, IEC, Bellcore
- Convenience and ease of handling
- Flanged or threaded mounting hardware
- Ceramic or Phosphorous bronze sleeves available
- Excellent concentricity
- Available: Single Mode, Multi Mode, APC; Simplex, Duplex; Plastic, Metal and Hybrid.

APPLICATIONS

- Telecommunication networks
- CATV Networks
- Data Communications
- Networks Active device termination
- Instrumentation Local Area Networks



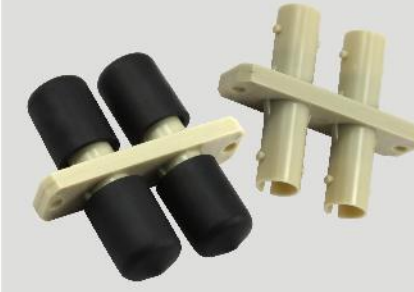
TECHNICAL SPECIFICATIONS

	Ceramic
Insertion Loss [Typ](dB)	≤0.2
Mating Durability	500
Receptacle Retention force(N)	1~2.5
Operating Temperature(°C)	-40~75
Melting Temperature(°C)	>120

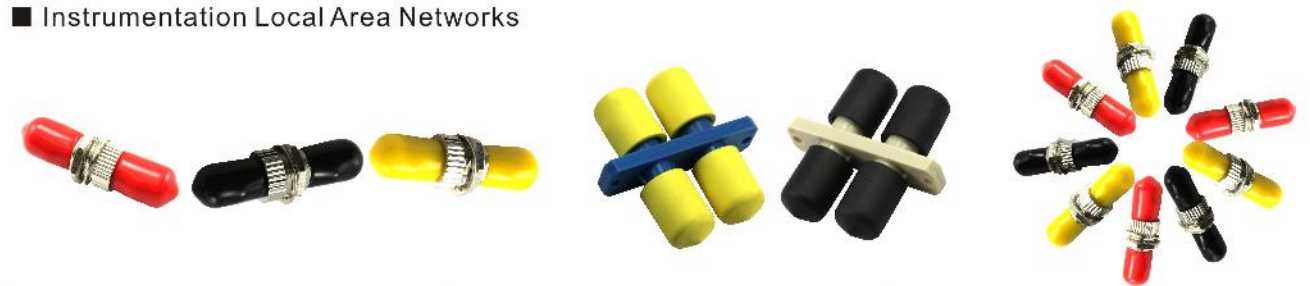
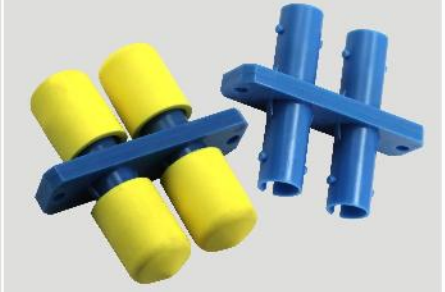
ST Adapter



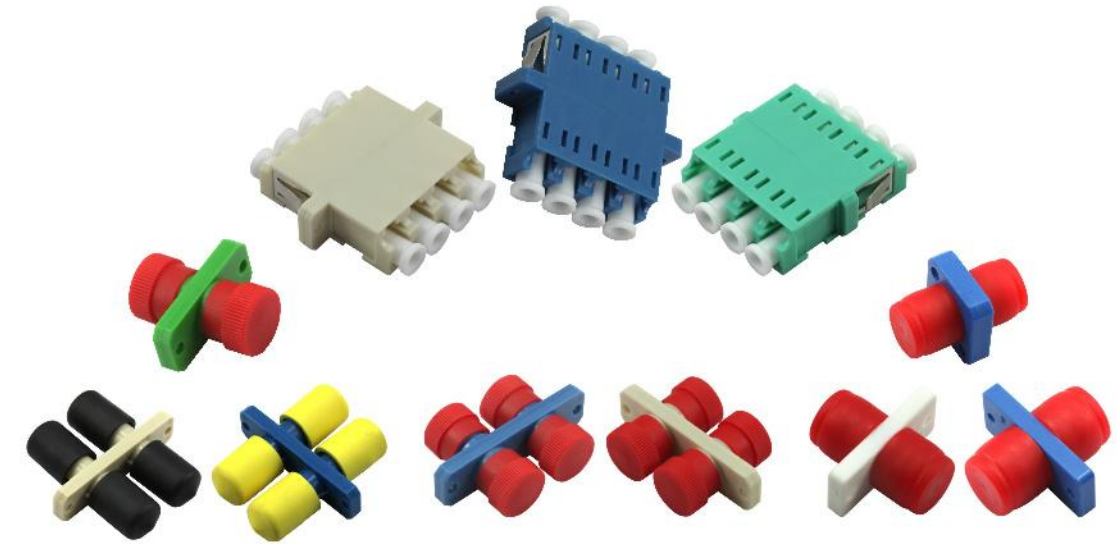
ST/MM Plastic Adapter



ST/SM Plastic Adapter



Adapter



Hybrid Adapters

FEATURES

- Provide the connecting solution for different type of adapters
- Compliant with : JIS, IEC, Bellcore
- Convenience and ease of handling
- Flanged or threaded mounting hardware
- Ceramic or Phosphorous bronze sleeves available
- Excellent concentricity
- Available: Single Mode, Multi Mode, APC; Simplex, Duplex; Plastic, Metal.

APPLICATIONS

- Telecommunication networks
- CATV Networks
- Data Communications
- Networks Active device termination
- Instrumentation Local Area Networks



SC-FC Metal Adapter

SC-LC Metal Adapter

TECHNICAL SPECIFICATIONS

	Ceramic	Phosphor Bronze
Insertion Loss[Typ](dB)	0.1	0.15
Mating Durability	500matings	
Receptacle Retention force(N)	1 ~2.5	
Operating Temperature(°C)	-25 ~+70 ,12 cycles	



SC-FC Adapter

LC-SC Plastic Adapter

SC-FC Metal Adapter

SC-FC Plastic Adapter

FC-ST Metal Adapter

FC-ST Plastic Adapter

SC-ST Metal Adapter

SC-ST Plastic Adapter

SC-ST/Duplex Plastic Adapter

SC-FC/Duplex Plastic Adapter

Plastic Adapters

FEATURES

- New design plastic version of FC and ST adapter
- lighter than normal metal version
- The color can be customized
- Compliant with : JIS, IEC, Bellcore
- Convenience and easy of handling
- Flanged or threaded mounting hardware
- Ceramic or Phosphorous bronze sleeves available
- Excellent concentricity
- Available: Single Mode, Multi Mode, APC; Simplex, Duplex; Metal.

APPLICATIONS

- Telecommunication networks
- CATV Networks
- Data Communications
- Networks Active device termination
- Instrumentation Local Area Networks

TECHNICAL SPECIFICATIONS

	Ceramic	Phosphor Bronze
Insertion Loss[Typ](dB)	0.1	0.15
Mating Durability	500matings	
Receptacle Retention force(N)	2~5.9	
Operating Temperature(°C)	-25~70 ,12 cycles	



LC/MM Plastic Adapter

LC/MM Plastic Adapter

LC/MM Plastic Adapter

LC/MM Plastic Adapter

FC/MM Plastic Adapter

FC/MM Plastic Adapter

FC/MM Plastic Adapter

FC/MM Plastic Adapter

FC/APC Plastic Adapter

FC/APC Plastic Adapter

ST/MM/Duplex Plastic Adapter

ST/MM/Duplex Plastic Adapter

Adapter

ORDERING INFORMATION

Part Number Generator

Product Name	Type		SM/MM		Material		Ferrule	
A Adapter	A FC no define	J SC Duplex	S SM	P Plastic	C Ceramic			
	B FC Big D Type	K LC Simplex	M MM	M Metal	B Brass			
	C FC Small D Type	L LC Duplex (SC Type)	A APC					
	D FC Square D Type	M LC Duplex (Big and Small, no ear)						
	E FC Uni-Body Square Type	N MTRJ						
	F FC Spit-Body Square Type	O MU						
	G FC Diamond Type	P E2000						
	H ST	Q MPO						
	I SC Simplex	R Other						

Dust Cover color	
WH	White
BK	Black
YE	Yellow
BE	Beige
GR	Green
RE	Red
NC	No color
	Other

Example Part Number

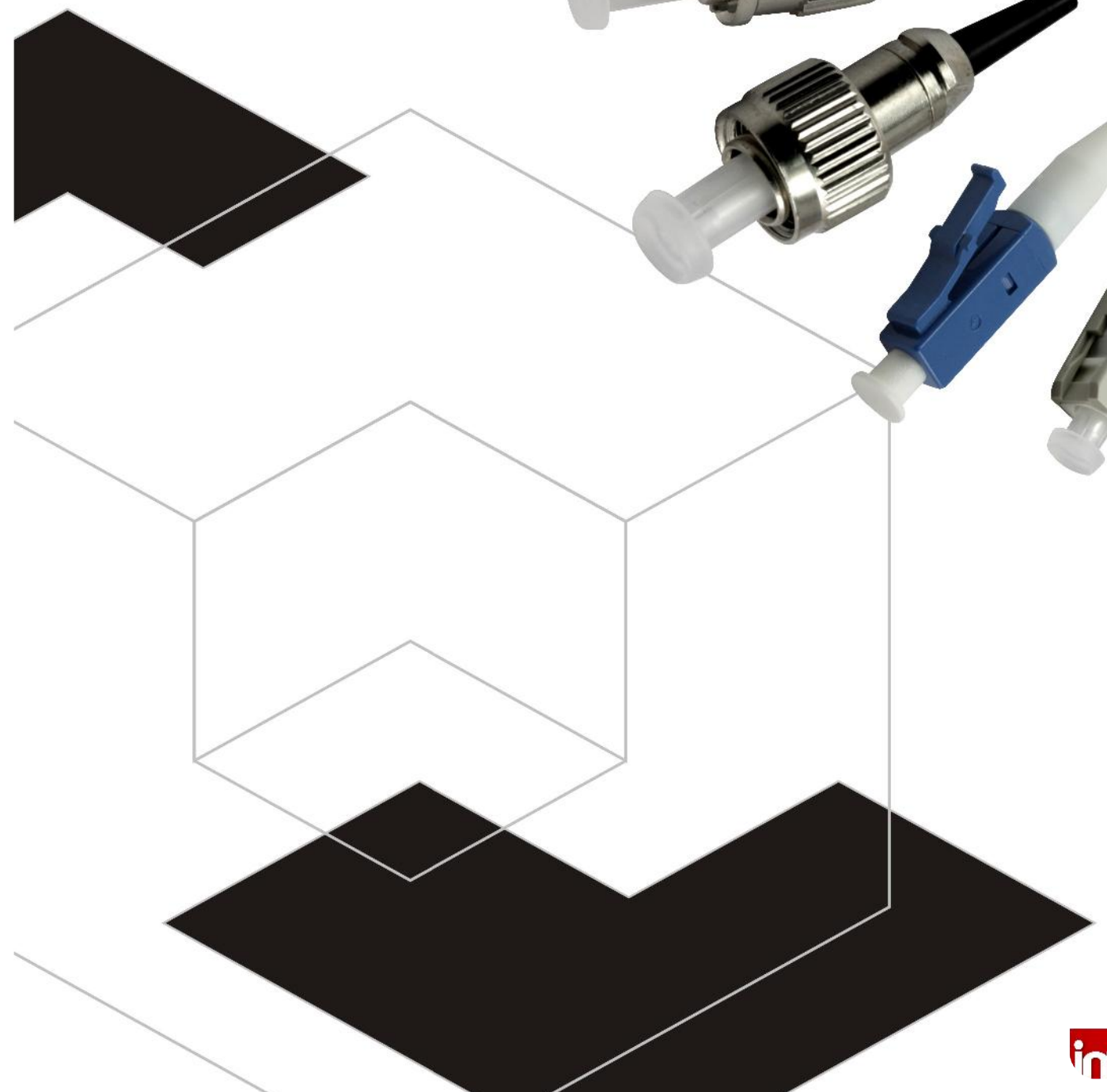
A B S P C WH

This part number generator has created a: FC Big D type, Single Mode plastic adapter, ceramic ferrule, white dust cover color.

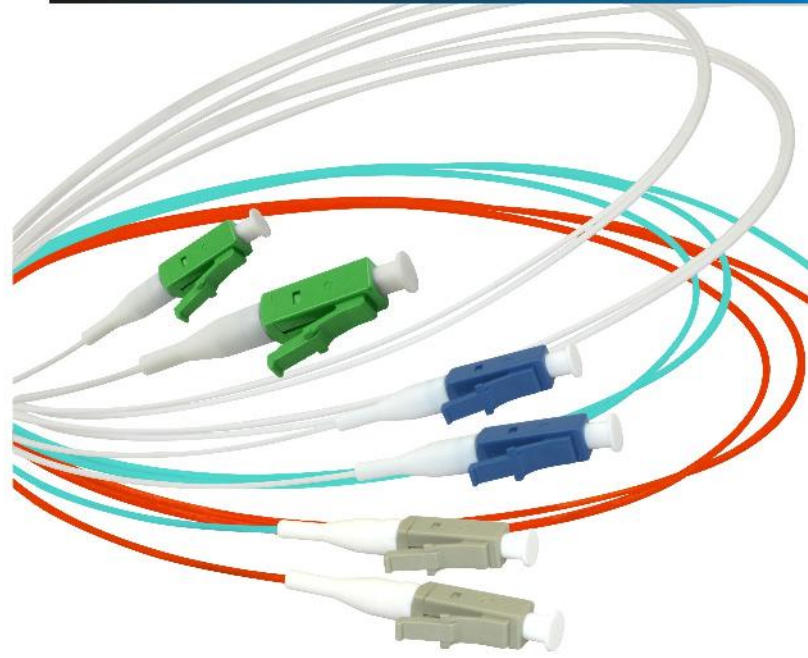
Passive Components

Pigtails

We have full range of pigtails to meet all your different need.



Pigtail



FEATURES

- Cable type: tight buffer or loose tube
- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zipcord
- Polish: PC, UPC, APC
- Fibre type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

LC Pigtail

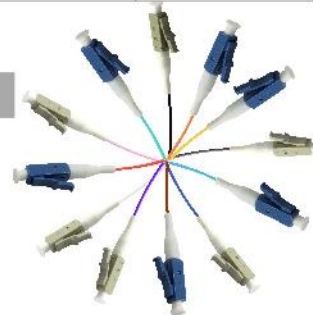
TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss(dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40° C~+85° C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites



MECHANICAL CHARACTERISTICS

Parameter	Value
Operating Temperature(°C):	-20~+70
Storage Temperature(°C):	-40~+85



CERTIFICATION COMPLIANCE

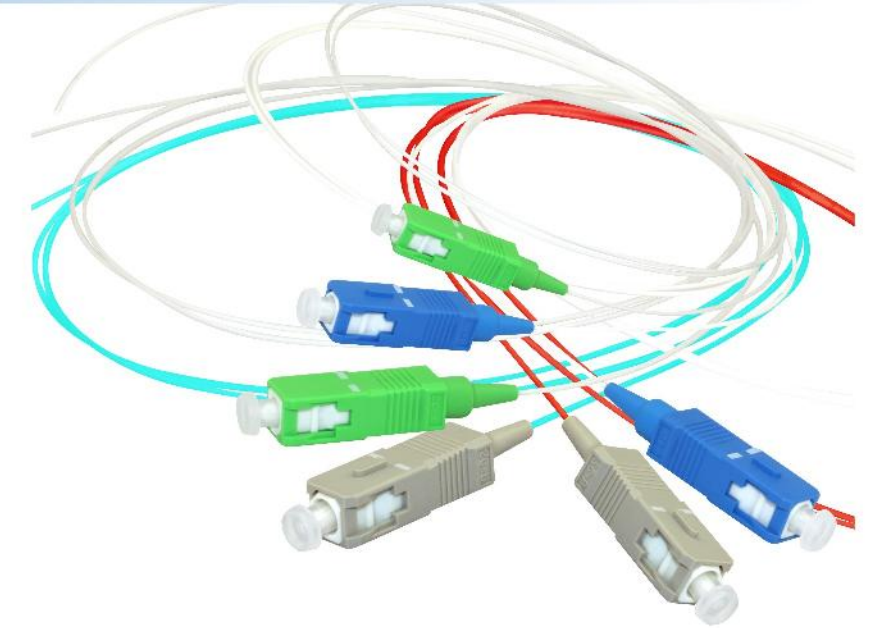
RoHS
GR-326-CORE
TIA/EIA-568-C.3
EIA/TIA-604
UL 94

Directive on Restriction of Hazardous Substances
Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
Optical Fiber Cabling Components Standards
Fiber Optic Connector Intermateability Standard
Tests for Flammability of Plastic Materials for Parts in Devices and appliances

FEATURES

- Cable type: tight buffer or loose tube
- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zipcord
- Polish: PC, UPC, APC
- Fibre type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

SC Pigtail



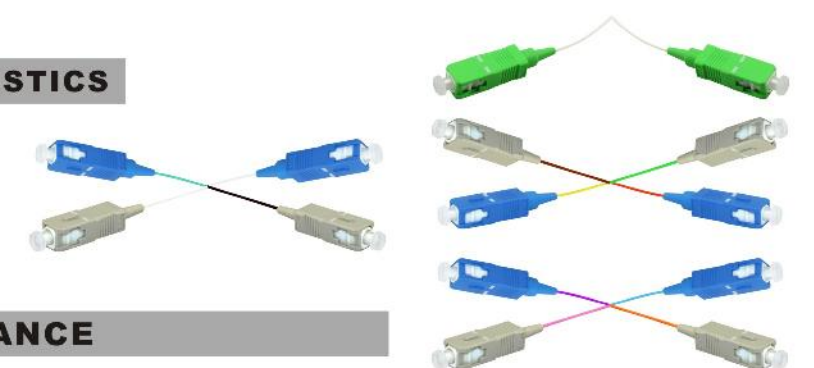
TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss(dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40° C~+85° C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites



MECHANICAL CHARACTERISTICS

Parameter	Value
Operating Temperature:	-20° C ~ 60° C
Storage Temperature:	-40° C ~ 60° C

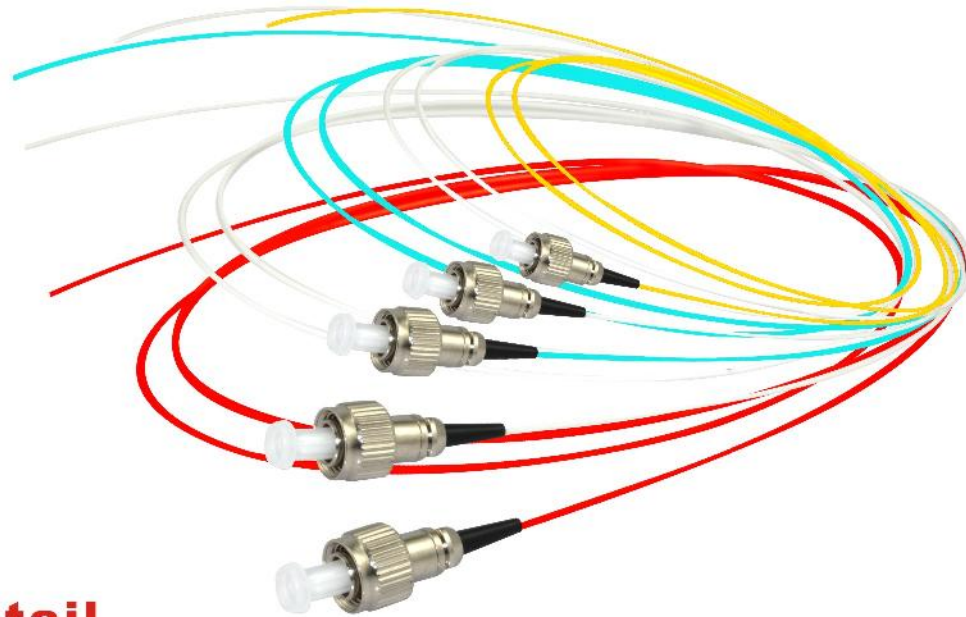


CERTIFICATION COMPLIANCE

RoHS
GR-326-CORE
TIA/EIA-568-C.3
EIA/TIA-604
UL 94

Directive on Restriction of Hazardous Substances
Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
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Fiber Optic Connector Intermateability Standard
Tests for Flammability of Plastic Materials for Parts in Devices and appliances

Pigtail



FC Pigtail

TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss (dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40° C~+85° C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites

MECHANICAL CHARACTERISTICS

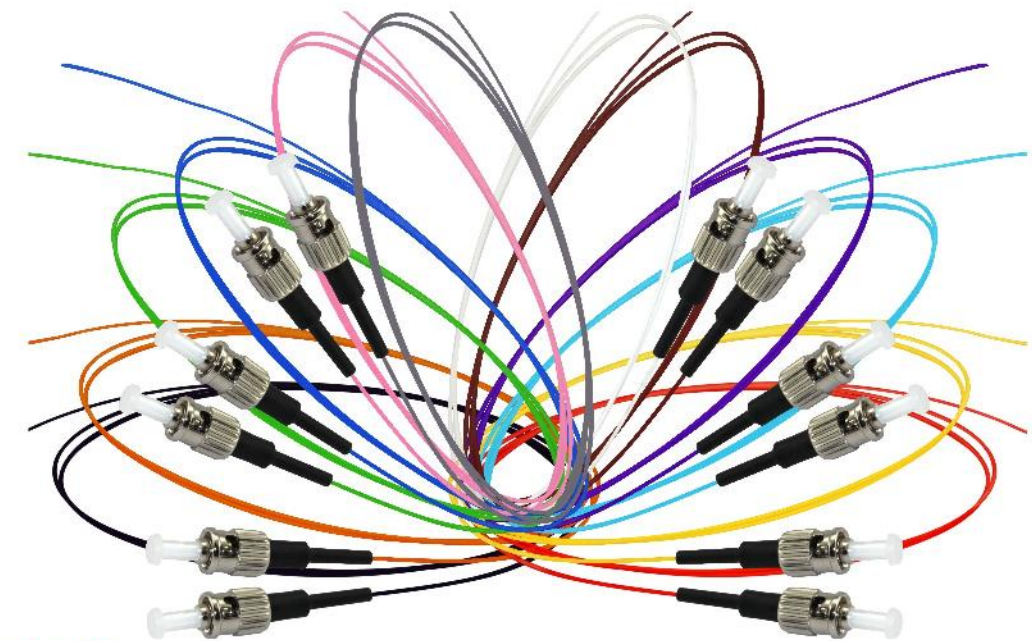
Parameter	Value
Operating Temperature(°C):	-30~+70
Storage Temperature(°C):	-40~+85



CERTIFICATION COMPLIANCE

RoHS
GR-326-CORE
TIA/EIA-568-C.3
EIA/TIA-604
UL 94

Directive on Restriction of Hazardous Substances
Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
Optical Fiber Cabling Components Standards
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Tests for Flammability of Plastic Materials for Parts in Devices and appliances



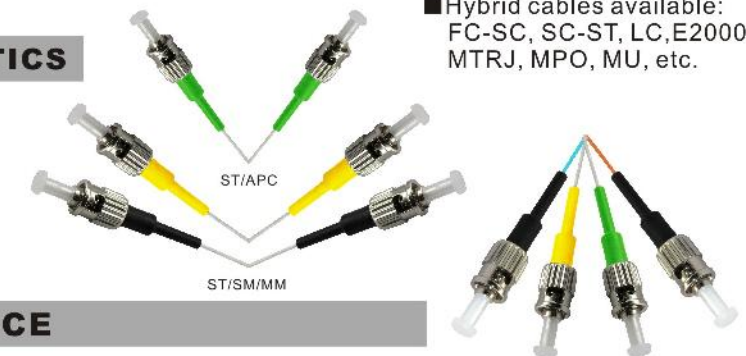
ST Pigtail

TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss (dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40° C~+85° C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites

MECHANICAL CHARACTERISTICS

Parameter	Value
Operating Temperature(°C):	-30~+70
Storage Temperature(°C):	-40~+85



CERTIFICATION COMPLIANCE

RoHS
GR-326-CORE
TIA/EIA-568-C.3
EIA/TIA-604
UL 94

Directive on Restriction of Hazardous Substances
Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
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Fiber Optic Connector Intermateability Standard
Tests for Flammability of Plastic Materials for Parts in Devices and appliances

FEATURES

- Cable type: tight buffer or loose tube
- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zipcord
- Polish: PC, UPC, APC
- Fibre type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

FEATURES

- Cable type: tight buffer or loose tube
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- Cable Type: Simplex and duplex zipcord
- Polish: PC, UPC, APC
- Fibre type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

Pigtail

ORDERING INFORMATION

Part Number Generator

Product Name

A	Patch Cord Simplex
B	Patch Cord Duplex
C	Pigtail Simplex
D	Pigtail Duplex

Example Part Number

A	SC	A	WH	SC	A	WH
1	1	YE	TB	P	A	001.5

This part number generator has created a:
Patch Cord Simplex, SC UPC (White boots) to SC UPC (White boots), 1.5m SM 9/125, 0.9mm tight buffer yellow cable, PVC Jacket, OPZS001 ferrule.

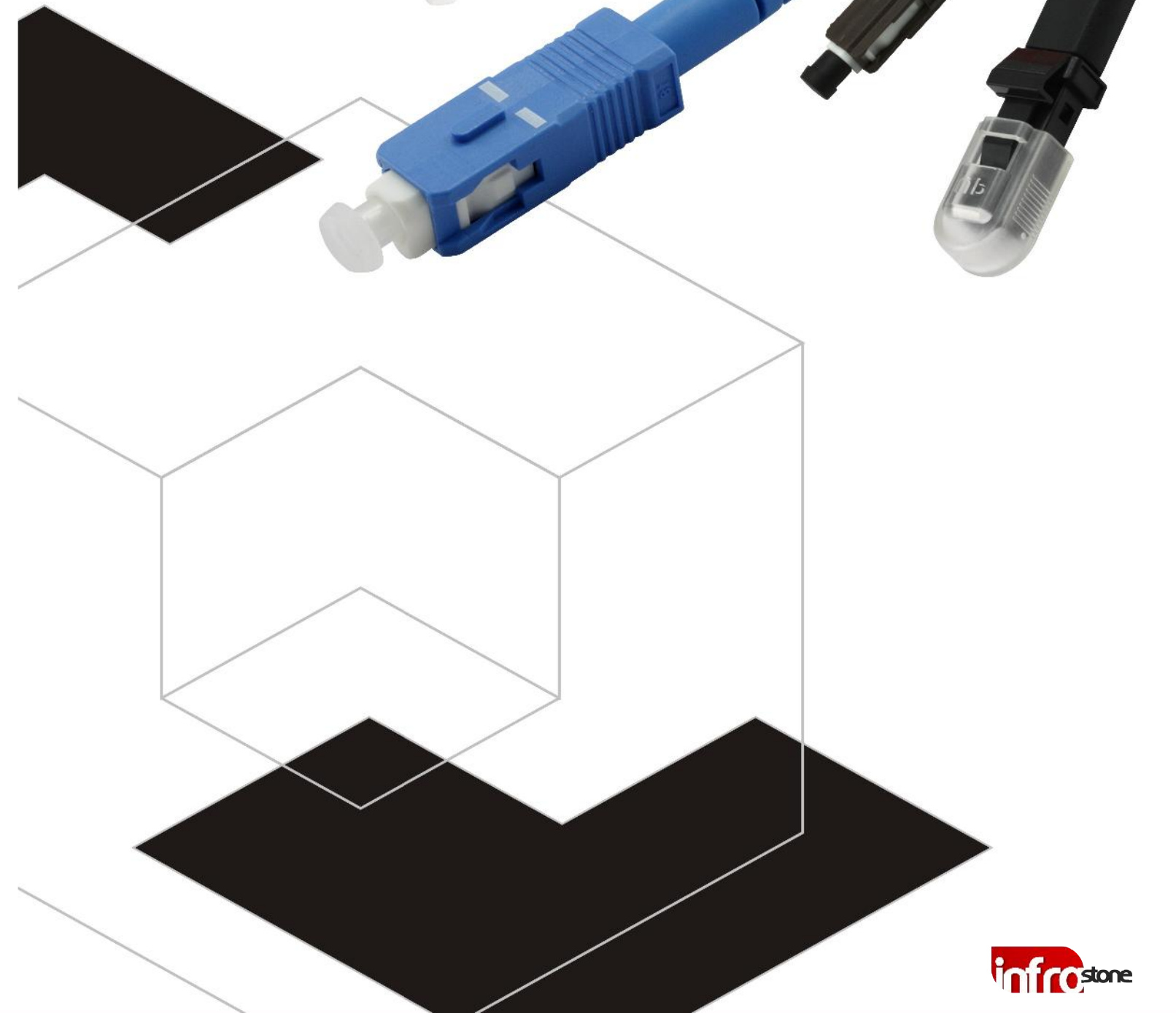
Side A Connector		Polish Type		Color of the Boots		Side B Connector		Polish Type		Color of the Boots	
SC	SC	A	UPC	WH	White	SC	SC	A	UPC	WH	White
ST	ST	B	APC 8°	BL	Blue	ST	ST	B	APC 8°	BL	Blue
FC	FC	C	PC	BE	Beige	FC	FC	C	PC	BE	Beige
LC	LC	D	APC 9°	GR	Green	LC	LC	D	APC 9°	GR	Green
MT	MTRJ			RE	Red	MT	MTRJ			RE	Red
MU	MU			BK	Black	MU	MU			BK	Black
E2	E2000			YW	Yellow	E2	E2000			YW	Yellow
MP	MPO			RB	Red+Black	MP	MPO			RB	Red+Black
				AO	Aqua Om3					AO	Aqua Om3
					Other						Other

SM/MM	Cable Diagram	Cable Color	Cable Type	Jacket Type	Ferrule	000.0=Length(m)**
1	SM 9/125	YE Yellow	TB Tight Buffer	P PVC	A OPZS001	001.5
2	62.5/125	OR Orange	LT Loose Tube	L LSZH	B OPZM001	
3	50/125 OM2	WH White			C OPZS002	
4	50/125 Om3	AQ Aqua			D OPZM002	
5	50/125 Om4	12C 12 colors				
		Other				

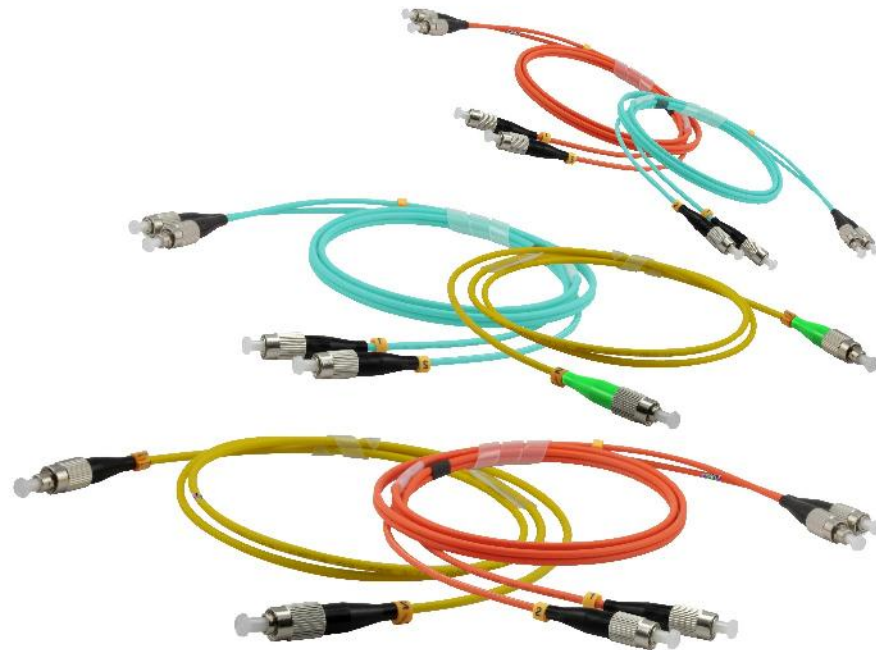
Passive Components

Patch Cord

All our patch cords are polished by our own advanced procedures and 100% optically tested for superior performance.



Patch Cord



FC Patch Cords

ST Patch Cords

TECHNICAL SPECIFICATIONS

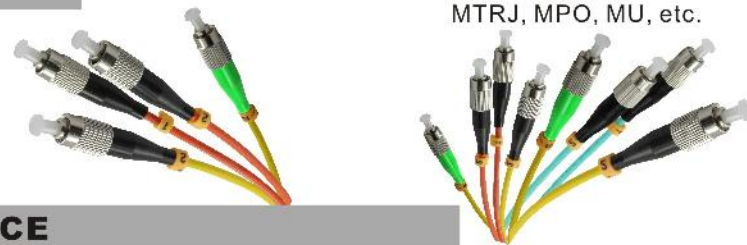
Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss(dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40° C~+85° C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites

FEATURES

- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zip cord
- Polish: PC, UPC, APC
- Fiber type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- Cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

MECHANICAL CHARACTERISTICS

Parameter	Value
Operating Temperature(°C):	-20~+70
Storage Temperature(°C):	-40~+85



CERTIFICATION COMPLIANCE

RoHS
GR-326-CORE
TIA/EIA-568-C.3
EIA/TIA-604
UL 94

Directive on Restriction of Hazardous Substances
Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.
Optical Fiber Cabling Components Standards
Fiber Optic Connector Interchangeability Standard
Tests for Flammability of Plastic Materials for Parts in Devices and appliances

FEATURES

- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zip cord
- Polish: PC, UPC, APC
- Fiber type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- Cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss(dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40° C~+85° C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites

MECHANICAL CHARACTERISTICS

Parameter	Value
Operating Temperature(°C):	-20~+70
Storage Temperature(°C):	-40~+85



CERTIFICATION COMPLIANCE

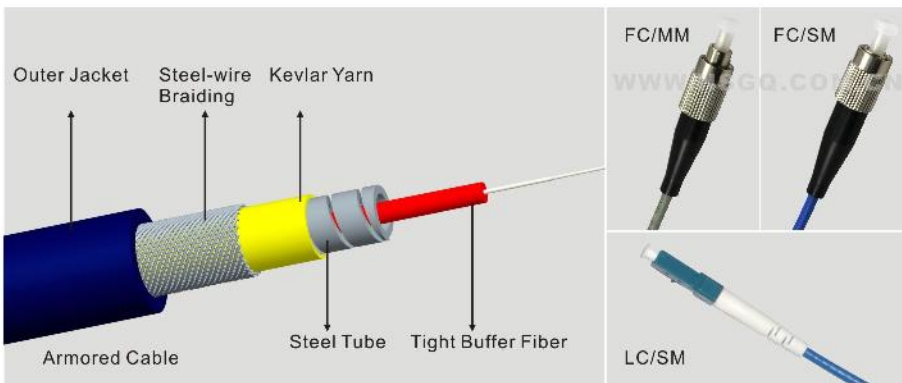
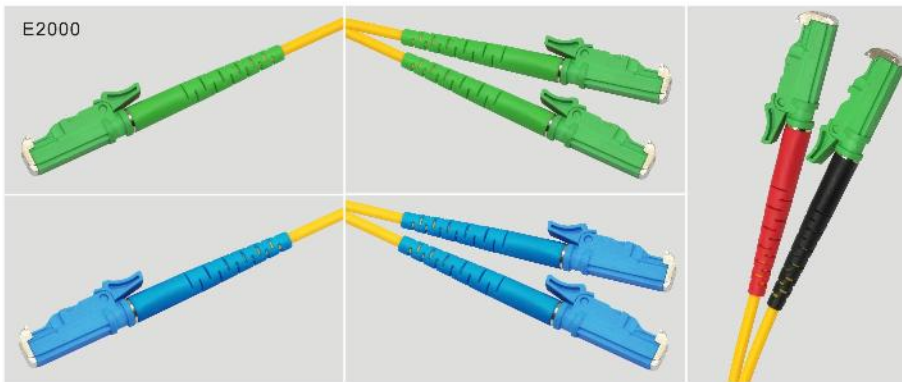
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Patch Cord



E2000/MTRJ/MPO/MU/ SMA/D4/Armored Cable Patch Cords



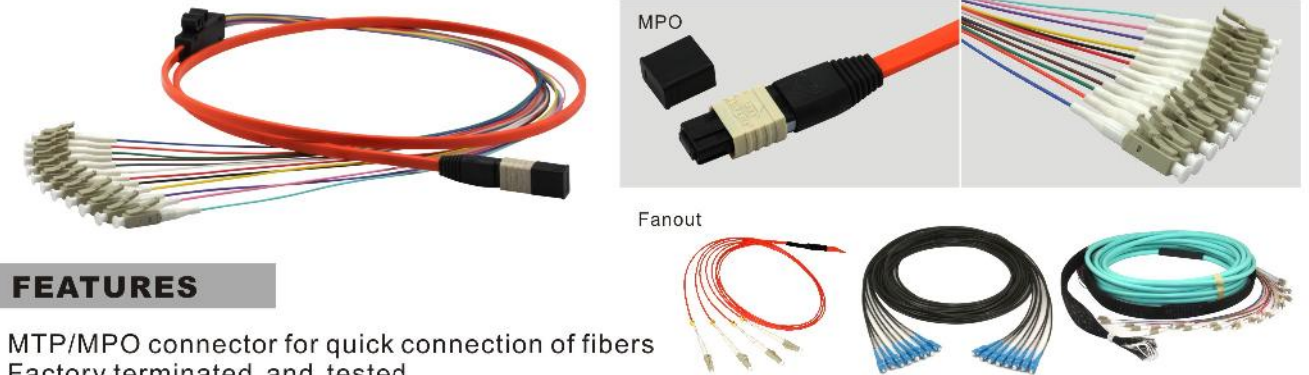
FEATURES

- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zip cord
- Polish: PC, UPC, APC
- Fiber type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- Cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.



FEATURES

- Performance to 12.4 Ghz and beyond
- Available in various base metal options, including stainless steel, brass and zinc diecast
- Uses industry standard crimp tools and processes
- Available with corrosion resistant, non-magnetic White Bronze plating
- Meets all performance requirements for MIL-C-39012.



FEATURES

- MTP/MPO connector for quick connection of fibers
- Factory terminated and tested
- High-density interconnect replacing up to 12 single-mode connectors and sleeves
- Removable housing for quick change of pin clamps and easy ferrule cleaning/polishing
- Single mode and multimode color-coded housing
- Alignment achieved with high precision guide pins
- Push/Pull mating for quick installation
- Designed for single-mode and multimode performance
- Test data supplied with each patch cord, establishes a performance reference to streamline maintenance and troubleshooting
- Patch cord identification label, quality control reference provides traceability
- Customized MPO Harness Cables available



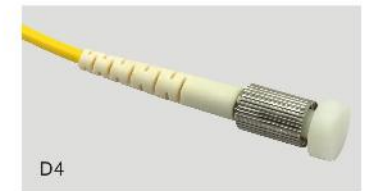
FEATURES

- Low insertion loss and back reflection loss
- Tunable zirconia connector ferrule
- UL-rated plastic housing and boot
- Behind-the-Wall style short connector
- Compact, pull-proof design
- NTT&JIS compliance
- NTT-MU hardware compatibility
- High precision alignment



FEATURES

- One connection for 2 fibers
- Ferrule alignment with guide pins
- RJ-45 type housing
- Removable housing for easy cleaning access
- Easy Pull/Push No-ep0° Polish
- Small-form factor connector
- SM/MM fiber at same ferrule
- Manufactured to IEC 1754-18 and TIA/EIA FOCIS 12MT-RJ



FEATURES

- Low insertion loss and back reflection loss
- Ferrule end surface pre-domed
- High precision alignment
- Nickel plated brass body
- Free-floating ceramic ferrule
- Bayonet style housing for easy termination

TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss(dB)	0.2	0.2	0.2
Typ. Return Loss(dB)	-30	-30	-30

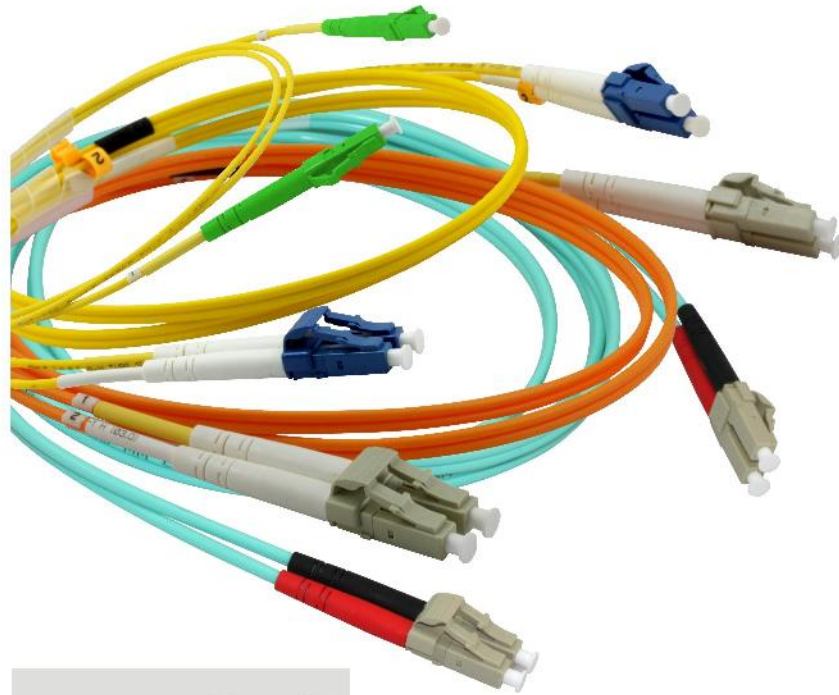
MECHANICAL CHARACTERISTICS

Parameter	Value
Operating Temperature(°C):	-30~+70
Storage Temperature(°C):	-40~+85

CERTIFICATION COMPLIANCE

- RoHS
- GR-326-CORE
- TIA/EIA-568-C.3
- EIA/TIA-604
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- Fiber Optic Connector Interchangeability Standard
- Tests for Flammability of Plastic Materials for Parts in Devices and appliances

Patch Cord



FEATURES

- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zip cord
- Polish: PC, UPC, APC
- Fiber type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- Cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

LC Patch Cords

TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss (dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40°C~+85°C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites

MECHANICAL CHARACTERISTICS

Parameter	Value
Operating Temperature(°C):	-30~+70
Storage Temperature(°C):	-40~+85



CERTIFICATION COMPLIANCE

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FEATURES

- Comprehensive range of single mode and multimode options: 9/125, OM1 62.5/125, OM2 50/125, OM3 50/125, OM4 50/125
- Cable Type: Simplex and duplex zip cord
- Polish: PC, UPC, APC
- Fiber type: G.652, G.652D, G.655, G655D, G.657 (Easy Bend), etc
- Cable Diameter: 0.9 mm, 2 mm and 3 mm
- Lengths: Standard and custom lengths
- Cable material: PVC, LSZH
- Hybrid cables available: FC-SC, SC-ST, LC, E2000, MTRJ, MPO, MU, etc.

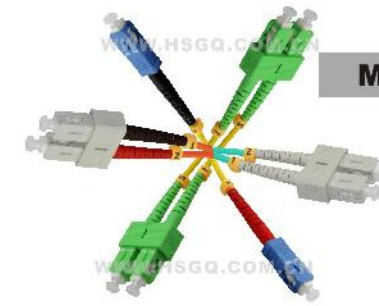
SC Patch Cords

TECHNICAL SPECIFICATIONS

Fiber Type	62.5/125µm	50/125µm	9/125µm
Max. Insertion Loss (dB)	0.3	0.3	0.3
Typ. Insertion Loss (dB)	0.2	0.2	0.2
Typ. Return Loss (dB)	-30	-30	-30
Cable Retention [900µm](lbs)	2	2	2
Cable Retention [Patchcord](lbs)	20	20	20
Mating Durability [500 cycles](dB)	<0.2	<0.2	<0.2
Temp. Stability [-40°C~+85°C](dB)	<0.3	<0.3	<0.3
Ferrule Material	Ceramic	Ceramic	Ceramic
Housing Material	Composites	Composites	Composites

MECHANICAL CHARACTERISTICS

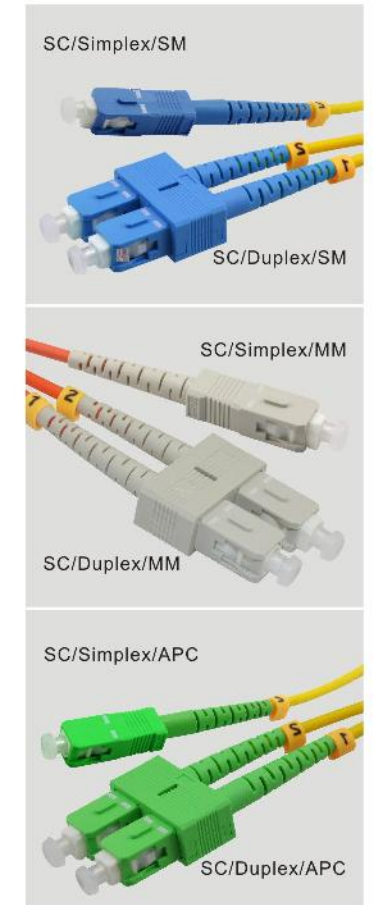
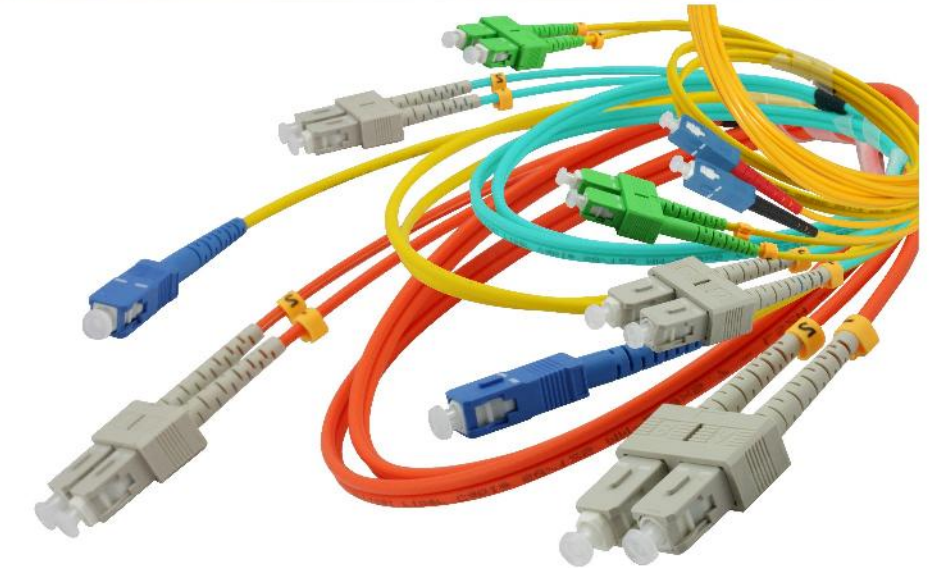
Parameter	Value
Operating Temperature(°C):	-20~+70
Storage Temperature(°C):	-40~+85



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Patch Cord

ORDERING INFORMATION

Part Number Generator

Product Name

A	Patch Cord Simplex
B	Patch Cord Duplex
C	Pigtail Simplex
D	Pigtail Duplex

Example Part Number

A	SC	A	WH	SC	A	WH
1	1	YE	TB	P	A	001.5

This part number generator has created a:
Patch Cord Simplex, SC UPC (White boots) to SC UPC (White boots), 1.5m SM 9/125,0.9mm tight buffer yellow cable, PVC Jacket,OPZS001 ferrule.

Side A Connector	Polish Type	Color of the Boots	Side B Connector	Polish Type	Color of the Boots
SC	A	WH	SC	A	WH
ST	B	BL	ST	B	BL
FC	C	BE	FC	C	BE
LC	D	GR	LC	D	GR
MT		RE	MT		RE
MU		BK	MU		BK
E2		YW	E2		YW
MP		RB	MP		RB
		AO			AO
		Other			Other

SM/MM	Cable Diagram	Cable Color	Cable Type	Jacket Type	Ferrule	000.0=Length(m)**
1	1	YE	TB	P	A	001.5
2	2	OR	LT	L	B	
3	3	WH			C	
4	4	AQ			D	
5	5	12C				
		Other				