

DATASHEET

Field Fast Installation Fiber Optic Connector

Terminated onto 0.9/2.0/3.0/1.6x2.0/2.0x3.0mm FTTH Drop Cable in FTTH Project.



OMC INDUSTRY CO.LIMITED

2018|En version1.0

Product introduction

Field Fast installation connector also be called **Field fast installation connector or FIC**. It is a new kind of connector that could be used in FTTH project scene.

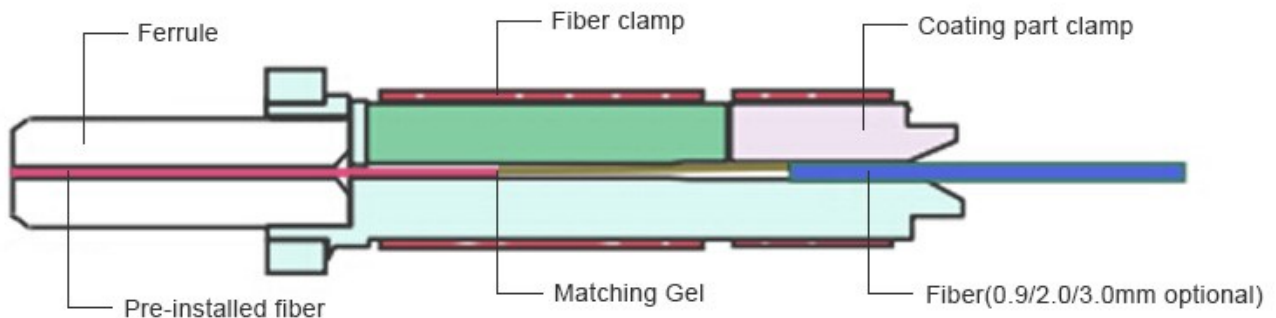
Our FIC products have been factory-polished, eliminating the need for any polishing materials, thereby enabling the preparation and termination of optical fibers in a fraction of the time of other conventional methods. The connector also uses V-groove mechanical splice principals and therefore the use of an epoxy is not required for the termination of the connector.

This Fast Connector offers convenience in assembling and strong stability. It allows simple optical core connection without any additional practices, or adhesives. It does not require a working space by connecting itself in the challenging environments such as a telephone pole and a manhole. It reconnects the cables and reduces the connection defect rate by an installer error in the field.

The Fast Connector series are already a popular solution for optical wiring inside buildings and floors for LAN & CCTV applications and with the expansion of FTTH, is already proving itself to be the connector of choice by incumbents, municipalities, utilities & alternative carriers.

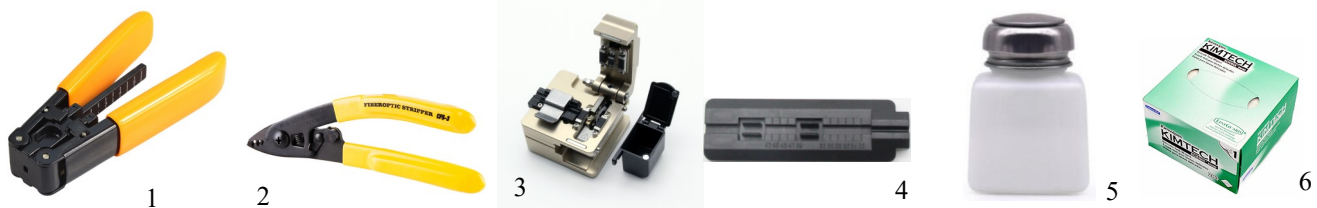
Our FIC series are now available in SC, LC, or FC variants, catering for 250um to 900um, and 2.0mm, 3.0mm diameter single mode and multimode fiber types, including Multi-mode 62.5/125um and Multi-mode 50/125um. The single-mode versions are available with UPC or APC ferrules.

Working principle



Installation introduction

Assembly of the connector requires only normal fiber preparation tools: a fiber stripping tool, wipes and a fiber cleaver. They don't need to polishing, no epoxy, No electrical power supply, no fused the fiber. Just Strip the buffer, cleave and clean the fiber and then insert the fiber into the Fast Connector. Installation takes just minutes and couldn't be easier.

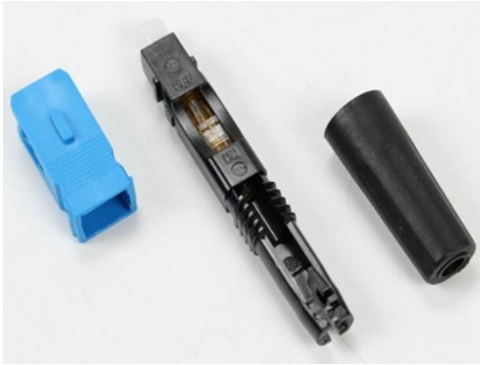


Related Tools:

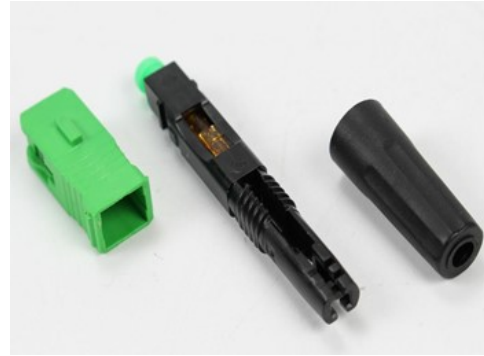
- 1, FTTH Drop cable stripper, To strip the Bow type 2x3mm Drop cable
- 2, 0.9mm/2.0mm/3.0mm Fiber Cable Stripper. To Strip those round cable and bare fiber of 2x3mm Drop cable
- 3, Fiber cleaver to cut the fiber of Cable&Fiber
- 4, Use the Length guard board cut the fiber in requested length,.
- 5, Alcohol, For Fiber Clean after cut
- 6, Cleanroom Wipes, for Fiber Clean after Alcohol Cleaned



Specifications



Part No.: J-A-SSU-50



Part No.: J-A-SSA-50

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	50mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
- Superior optical performance
- Streamlined component design, convenient operation
- Pre-installed, on-site assembly without end face grinding and consideration
- Uses proven, molded v-groove technologies

Application in FTTH:

- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTH) applications
- Optical cable interconnection
- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements
- Fiber optic equipment



Length guard board



Specifications



Part No.: J-B-SSU-53



Part No.: J-B-SSA-53

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	53mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

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0.9mm tube



Length guard board

Specifications



Part No.: J-C-SSU-55



Part No.: J-C-SSA-55

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	55mm
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 30\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

Feature:

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Multi-function Length guard board

Specifications



Part No.: J-D-SSU-60



Part No.: J-D-SSA-60

Part No.: J-D-1SP-60 (OM1)



Part No.: J-D-2SP-60 (OM2)

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	60mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Feature:

- No epoxy and polishing required
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- Fiber optic equipment



Length guard board



Specifications



Part No.: J-E-SSU-51



Part No.: J-E-SSA-51

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	2.0/3.0mm FTTH Drop Cable	Length	51mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

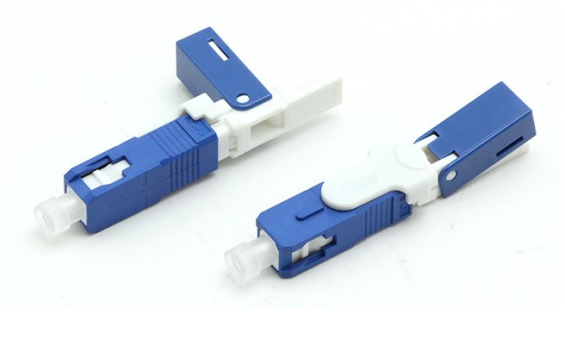
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Application in FTTX:

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- Fiber to the Subscriber (FTTX) applications
- Optical cable interconnection
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- Repair and replacement requirements
- Fiber optic equipment

Specifications



Part No.: J-F-SSU-51



Part No.: J-F-SSA-51

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	2x3mm FTTH Drop Cable 1.6x2.0mm FTTH Drop Cable	Length	51mm
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 30\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

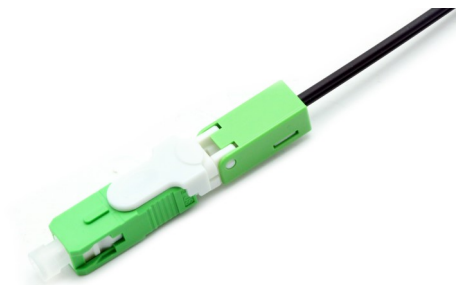
Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

Feature:

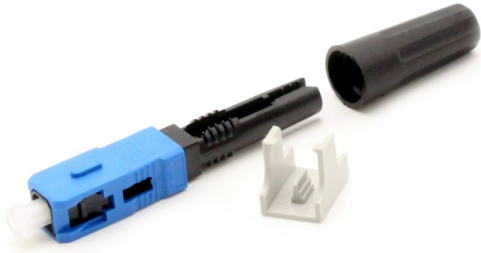
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Application in FTTX:

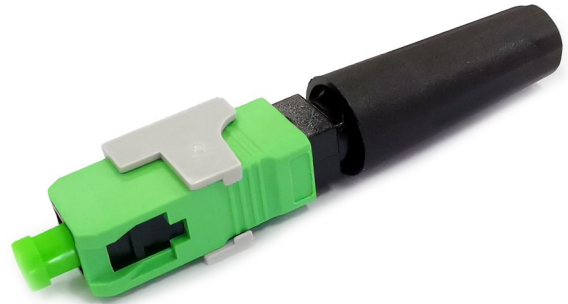
- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTX) applications
- Optical cable interconnection
- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements
- Fiber optic equipment



Specifications



Part No.: J-G-SSU-51



Part No.: J-G-SSA-51

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	2x3mm FTTH Drop Cable 3.0mm FTTH Drop Cable	Length	51mm
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 30\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

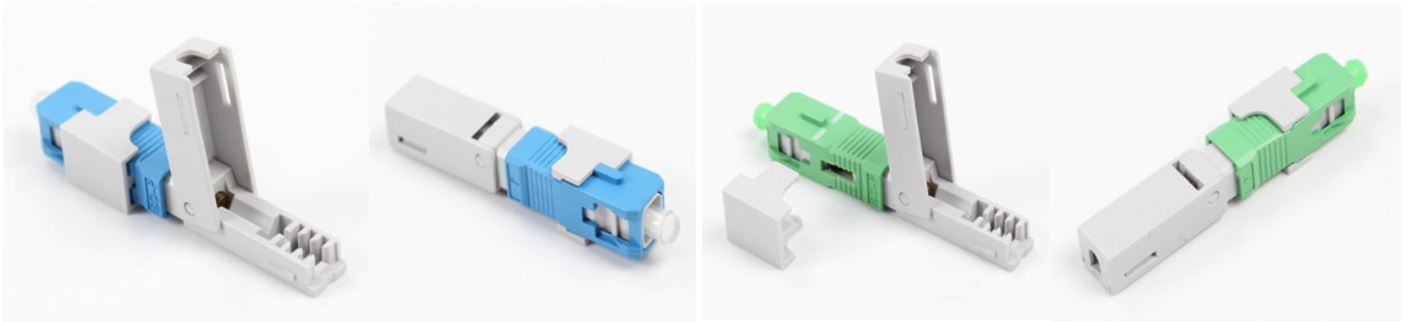
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- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
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- Optical access network
- Fiber to the Subscriber (FTTX) applications
- Optical cable interconnection
- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements
- Fiber optic equipment

Specifications



Part No.: J-H-SSU-55

Part No.: J-H-SSA-55

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	55mm
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 30\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

Feature:

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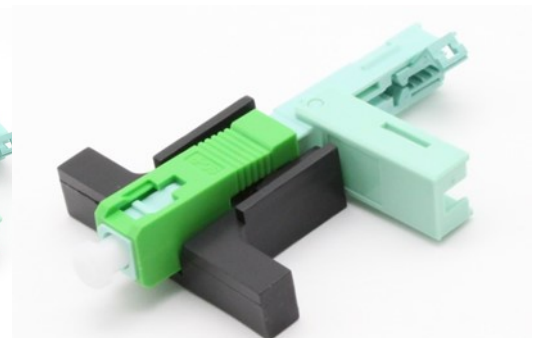
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- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTH) applications
- Optical cable interconnection
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- Repair and replacement requirements
- Fiber optic equipment

Specifications



Part No.: J-O-SSU-53



Part No.: J-O-SSA-53

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Ceramic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	53mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥50N	Operating Temp	-40°C ~ +75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
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- Fiber to the Subscriber (FTTH) applications
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- Fiber optic equipment



Length guider for Fiber cut



Single package

Specifications



Part No.: J-P-SSU-50



Part No.: J-P-SSA-50

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	2.0mm/3.0mm/2x3 FTTH Drop Cable	Length	50mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Feature:

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Length guider for Fiber cut

Application in FTTX:

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- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements
- Fiber optic equipment

Single package

Specifications



Part No.: J-R-SSA-50

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	2.0mm/3.0mm/2x3 FTTH Drop Cable	Length	50mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

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Length guider for Fiber cut

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- Repair and replacement requirements
- Fiber optic equipment

Single package

Specifications



Part No.: J-U-SSA-45

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	45MM
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 30\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

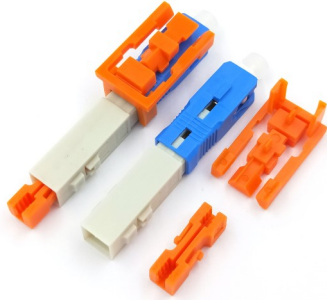
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Specifications



Part No.: J-V-SSU-53



Part No.: J-V-SSA-53

Connector Type	SC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	2x3mm FTTH Drop Cable 1.6x2mm FTTH Drop Cable	Length	53MM
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C ~ +75°C

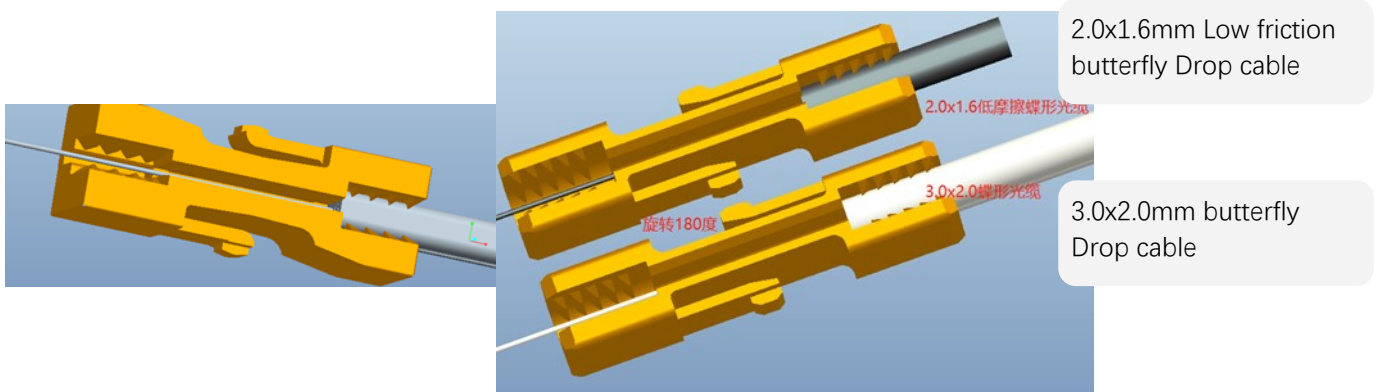
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Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
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APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Advantages:

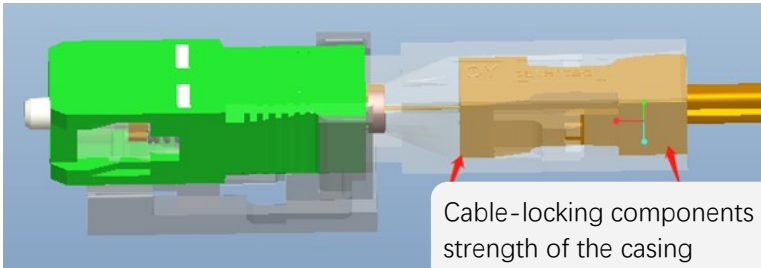
Our own patent design, Independent two-way cable lock unit, Can adapt to 2 types of optical cables 2x3mm and 1.6x2mm FTTH Drop Cable

The locking cable has tight teeth and can withstand 50N tensile force, which meets the demanding requirements of tensile strength.



Advantages:

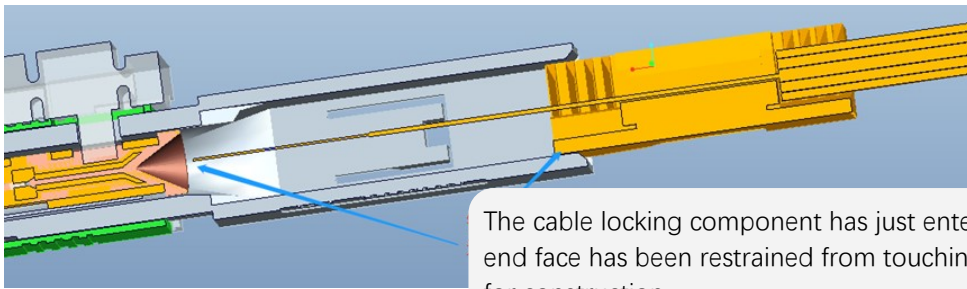
3. The long two-way locking cable parts fill most of the empty shell, effectively avoiding damage caused by falling / stepping; Design by other manufacturers: internal hollow shell;



Cable-locking components fill the interior space, strengthening the strength of the casing

4. When the fiber is penetrated, the internal avoidance is extremely large, which can effectively prevent the end face of the fiber from touching the inner wall.

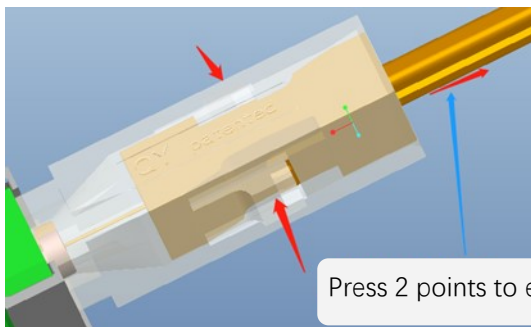
Instructions from other manufacturers: pinch the fiber with your right hand, hold the housing with your left hand, and carefully stare into the deep, dark inner hole, and insert it carefully. At this time, the end face of the fiber is more likely to touch the inner wall, and the cut surface is more likely to be contaminated;



The cable locking component has just entered the housing, and the fiber end face has been restrained from touching the edge, which is convenient for construction

5. If it needs to be removed and reinstalled after installation, it can be unlocked by finger press;

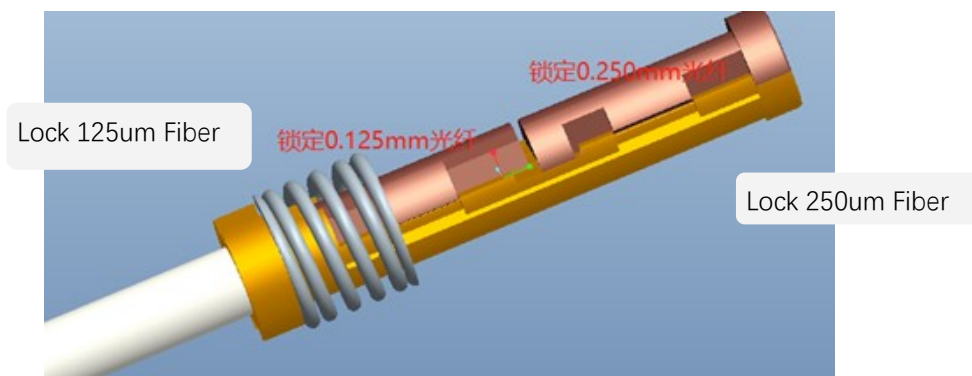
Other manufacturers and even Japanese manufacturers need tools or twist buckles to unwind the cables;



Press 2 points to easily unlock the cable

6. V-groove compaction structure, which contains 0.125mm bare fiber and 0.250mm coated fiber; (enhance the tensile strength of bare fiber).

Most other manufacturers lock only 0.125mm bare fiber;



Lock 125um Fiber

锁定0.125mm光纤

锁定0.250mm光纤

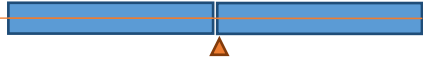

Lock 250um Fiber

Advantages:

7. The mechanical lock structure and the corresponding cut fiber fixed length design directly guarantee the 0.2mm micro-bend length;

Other manufacturers: Need to manually / visually check for microbends and keep the microbends locked, the microbend error rate is high;

8. Discharge treatment of the embedded fiber cutting surface to form microspheres, and ensure that the fiber cut in the field is 100% transparent. The core is closely connected to the exhaust, which can effectively improve the return loss parameters and achieve better insertion loss parameters

Other supplier	Our design
	
<p>Any foreign matter, cutting angle, and raised surface . Both cause the fiber cores not to be tightly connected. .</p>	<p>OMC design of the embedded microspheres after discharge treatment will always cut the fiber core 90 ° or even at an angle to the site to achieve a good return loss and insertion loss.</p>

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Specifications



Part No.: J-A-SFU-55



Part No.: J-A-SFA-55

Connector Type	FC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	55mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
- Superior optical performance
- Streamlined component design, convenient operation
- Pre-installed, on-site assembly without end face grinding and consideration
- Uses proven, molded v-groove technologies

Application in FTTX:

- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTX) applications
- Optical cable interconnection
- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements
- Fiber optic equipment



Length guard board

Specifications



Part No.: J-B-SFU-50

Part No.: J-B-SFA-50

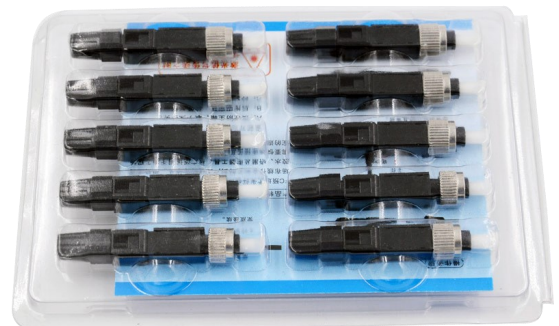
Connector Type	FC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0mm Simplex cable 2x3 FTTH Drop Cable	Length	50mm
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 30\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
- Superior optical performance
- Streamlined component design, convenient operation
- Pre-installed, on-site assembly without end face grinding and consideration
- Uses proven, molded v-groove technologies



Application in FTTH:

- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTH) applications
- Optical cable interconnection
- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements
- Fiber optic equipment



Length guard board

Specifications



Part No.: J-A-SLA-1



Part No.: J-A-SLU-1

Connector Type	LC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9/2.0/3.0/2.0x3.0 mm FTTH Drop Cable	Length	45mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
- Superior optical performance
- Streamlined component design, convenient operation
- Pre-installed, on-site assembly without end face grinding and consideration
- Uses proven, molded v-groove technologies

Application in FTTX:

- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTX) applications
- Optical cable interconnection
- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements
- Fiber optic equipment



Length guard board



0.9mm Boot

Specifications



Part No.: J-B-SLU-1

Part No.: J-A-SLA-1

Part No.: J-B-MLU-1/2/3/4/5

Connector Type	LC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	0.9mm Simplex cable	Length	50mm
Insertion Loss	≤0.3dB(typical); ≤0.5dB(Max)	Return Loss	UPC ≥40dB; APC ≥50dB
Tension Strength	≥30N	Operating Temp	-40°C~+75°C

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC (Φ2.5 mm)	10 ~ 25	≤70	-100~+100
APC (Φ2.5 mm)	5 ~ 15	≤70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
- Superior optical performance
- Streamlined component design, convenient operation
- Pre-installed, on-site assembly without end face grinding and consideration
- Uses proven, molded v-groove technologies



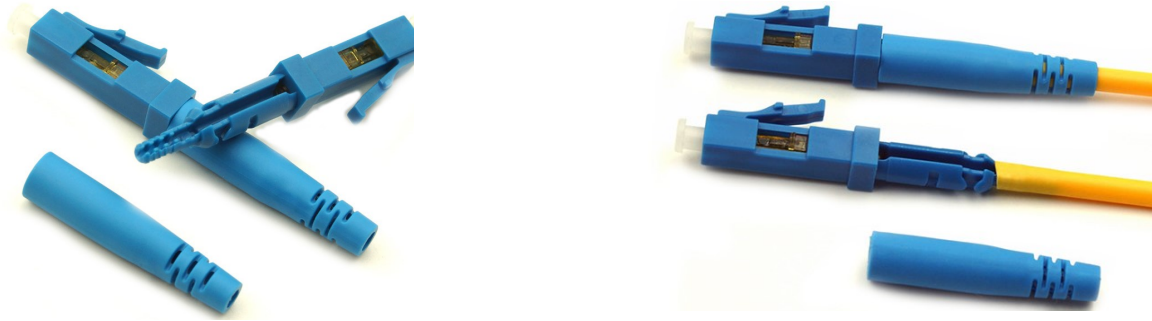
Application in FTTX:

- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTX) applications
- Optical cable interconnection
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- Repair and replacement requirements
- Fiber optic equipment



Length guard board

Specifications



Part No.: J-C-SLU-1

Connector Type	LC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	Round 2.0 Simplex cable	Length	55mm
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 30\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
- Superior optical performance
- Streamlined component design, convenient operation
- Pre-installed, on-site assembly without end face grinding and consideration
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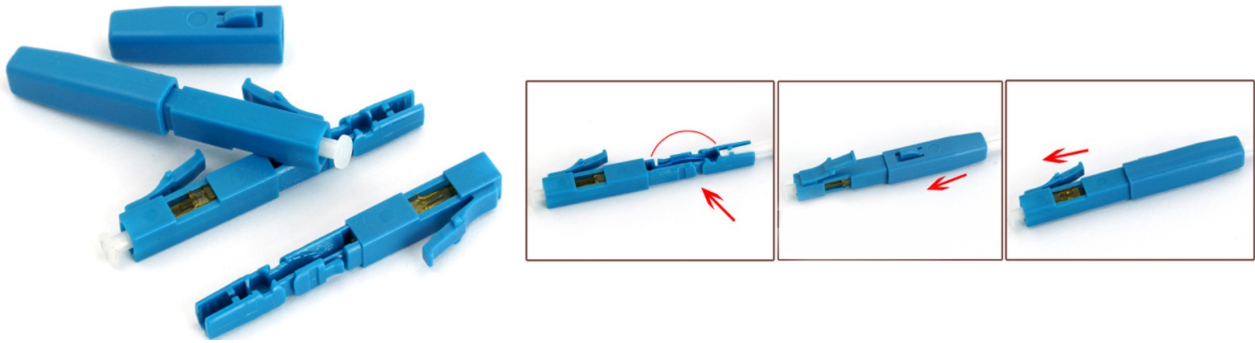
Application in FTTX:

- Fiber optic communication system and telecommunication networks
- Fiber optic data transmission
- CATV
- Optical access network
- Fiber to the Subscriber (FTTX) applications
- Optical cable interconnection
- Maintenance or emergency restoration of fiber networks
- Repair and replacement requirements



Length guard board

Specifications



Part No.: J-D-SLU-1

Connector Type	LC	Polishing	UPC and APC
Ferrule	Ceramic	V-Groove	Plastic Material
Cable Diameters	2x3 FTTH Drop Cable	Length	52mm
Insertion Loss	$\leq 0.3\text{dB}(\text{typical}); \leq 0.5\text{dB}(\text{Max})$	Return Loss	UPC $\geq 40\text{dB}$; APC $\geq 50\text{dB}$
Tension Strength	$\geq 50\text{N}$	Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$

3D Interferometer (Only available if customer requested)

Type	Radius (mm)	Apex offset(μm)	Fiber (nm)
PC ($\Phi 2.5\text{ mm}$)	10 ~ 25	≤ 70	-100~+100
APC ($\Phi 2.5\text{ mm}$)	5 ~ 15	≤ 70	-100~+100

Feature:

- No epoxy and polishing required
- Quick and easy fiber termination
- Precision mechanical alignment insures low insertion loss
- Superior optical performance
- Streamlined component design, convenient operation
- Pre-installed, on-site assembly without end face grinding and consideration
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Application in FTTH:

- Fiber optic communication system and telecommunication networks
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- CATV
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Length guard board