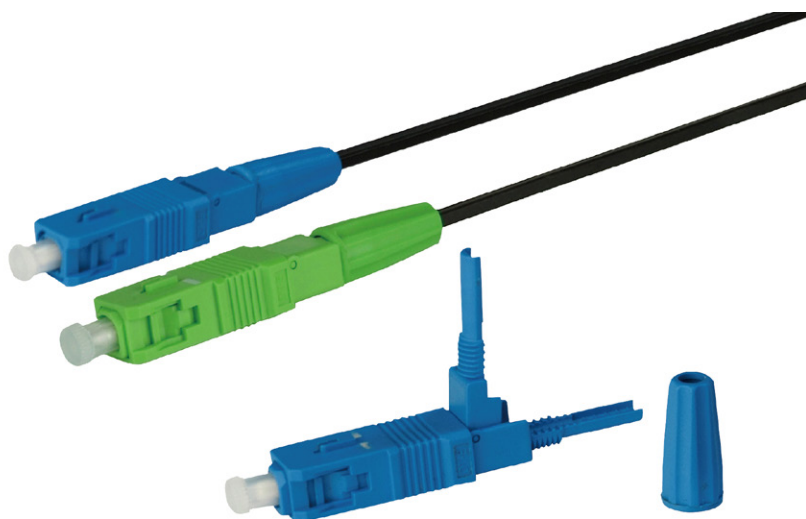


# EASYCONN Fast Connector



EASYCONN is a field assembly fiber connector with exquisite volume, excellent optical and mechanical performance developed by Dimension Technology. With unique fiber alignment and matching liquid structure, EASYCONN is the best choice for fast field installment, easy to use and no need other tools to help assemble.

## Main Features

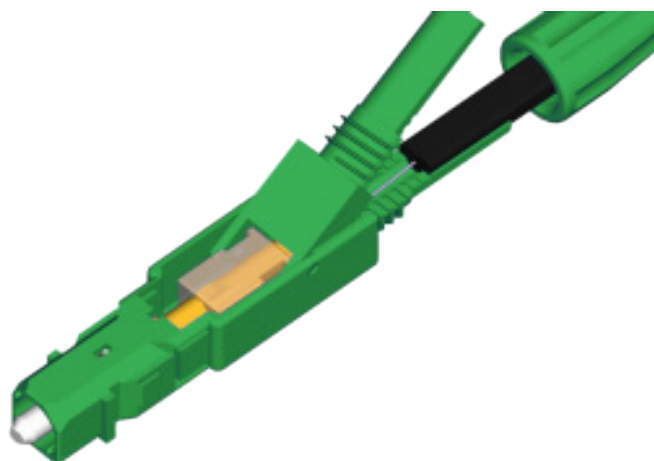
- Fiber alignment by ceramic ferrule
- Linkage locking mechanism
- Fully-enclosed design for matching gel
- Applicable to different kinds of optical cables
- Red light viewing window at the coupling point
- Front Micro-bend Design
- Back Micro-bend Design
- Multiple times of Reassembly
- The overall length is ONLY 52mm.
- Good performance for temperature change
- Easy and convenient assembly
- No need specialized tools

## Applications

- FTTH
- FTTX
- 5G optical network system
- Others

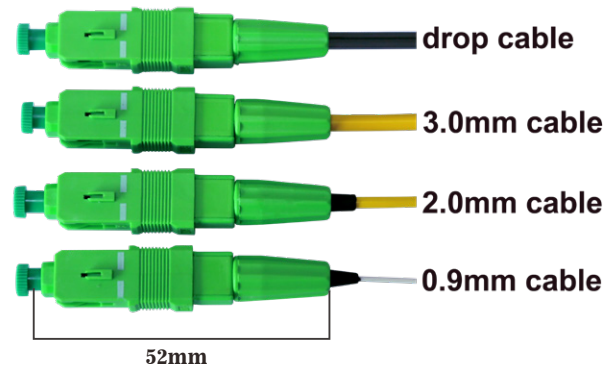
## Linkage locking structure (Patented)

EASYCONN is designed with linkage locking structure that can lock fiber and cable simultaneously. While press the up-boot, the boot will push the locking ring and lock 250um fiber automatically. No additional tools needed to assemble.



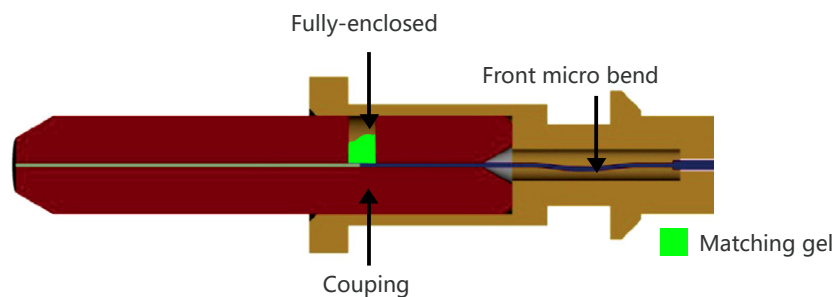
### Applicable to different kinds of optical cables

The sawtooth cable locking structure greatly improved the tensile strength of the connector, which is suitable for drop cable,  $\Phi 3.0\text{mm}$  cable,  $\Phi 2.0\text{mm}$  cable (with additional tube),  $\Phi 0.9\text{mm}$  cable (with additional boot).



### Fiber alignment by ceramic ferrule (Patented)

Compared with the traditional "V" groove alignment method, EASYCOON is made to be aligned by ceramic ferrule, which ensures and improves the higher optical performance even in bad condition.

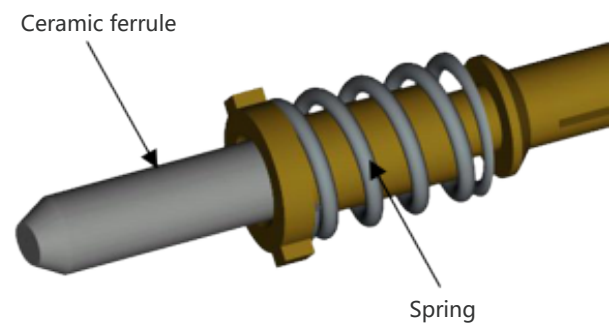


### Fully-enclosed design for matching gel (Patented)

With fully-enclosed design, it can prevent the matching gel from volatilization, metamorphosis and loss; also it provides the connector with longer use time and ensures the stable working in a wide temperature range from  $-40^{\circ}\text{C}$  to  $75^{\circ}\text{C}$ .

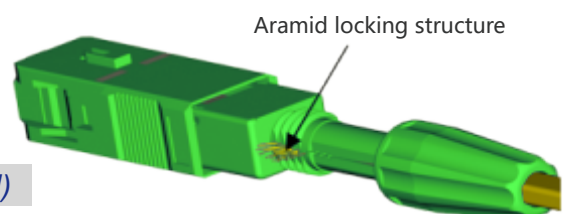
### Front spring structure

With front spring structure, the ferrule can do the self-adjustment freely like traditional connector while connecting.



### Red light viewing window

Red light viewing window at the coupling point to help the operator to check if the assembly is successful by using the red light locator.



### Staggered-tooth structure for Kevlar locking (Patented)

The structure can lock Kevlar firmly to provide incredible tensile strength while using  $\Phi 3.0\text{mm}$  cable and  $\Phi 2.0\text{mm}$ .

### Front Micro-bend Design (Patented)

With front Micro-bend design, it can make the fiber connection tight and eliminate the gap of fiber coupling even in high or low temperature.

### Back Micro-bend design

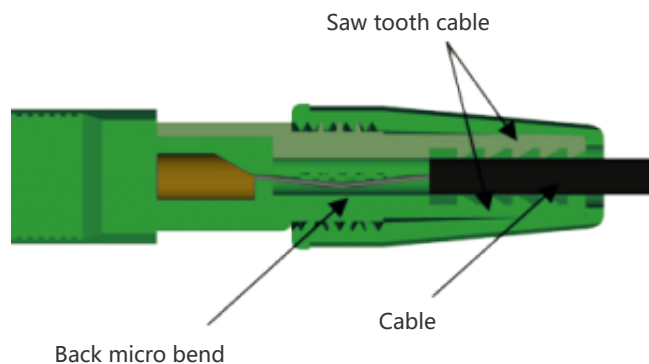
The back micro-bend structure provides high optical performance. When the cable is pushed back to move slightly, the coupling point can be still connected tightly.

### Easy and convenient assembly

The fast connector has been pre assembled in factory as the picture. The operator just needs to strip, cleave and lock the cable, very easy process. No need specialized tools.

### Reassembly structure

EASYCONN's unique structure supports multiple times of reinstallation without any specialized tools.



### Specifications

Item	Parameter	Remarks
Insert Loss	SC/PC: Typical 0.2dB Max 0.4dB SC/APC: Typical 0.2dB Max 0.4dB	1310nm & 1550nm
Return Loss	SC/PC: Typical 48dB Min 45dB SC/APC: Typical 64dB Min 60dB	1310nm & 1550nm
Fiber	SM 9/125um	
Application	drop cable, Φ3.0mm, Φ2.0mm(with tube), Φ0.9mm (with boot)	
Operation Time	<10s(Exclude Fiber Treatment)	
Tensile Strength	>80N (Drop Cable)	Peak Power of Tensile
Reassemble Times	5 times	
Operation Temperature	-40~75°C	

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