



## Specification

# SC - Aircraft Nut Type Fast Connector

FIC Connector (Field Installable Connector) is specially for single fiber FTTH drop cable filed termination. It provides efficient assembly and high reliability connection to make it easy for the last meters optic cable termination for FTTH.

### Features

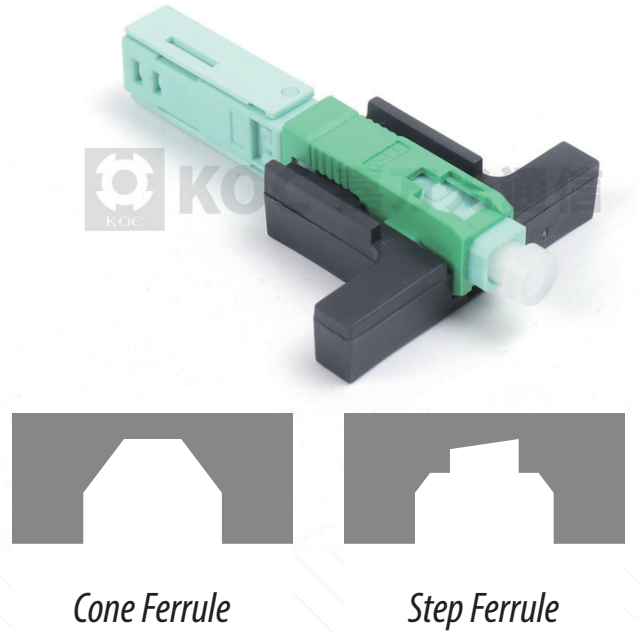
- Good insertion loss ,high return loss
- Reliable optical performance
- Good connection stability
- Convenient for field installation
- Installs fast,Operates easy
- Low cost

### Application

- Patch panels
- Distribution frames
- Maintenance or emergency restoration of fiber networks
- FTTH Outlets
- Connection at the desk for LAN environments

### Availability

- The connector can be chosed pc or APC.

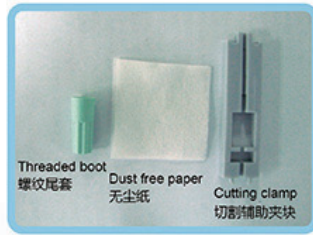


Item	Specification
Insertion Loss	Typical $\leq 0.3\text{dB}$ , Maximum $\leq 0.5\text{dB}$
Return Loss	PC $\geq 45\text{dB}$ , APC $\geq 55\text{dB}$
Durability	$\leq 0.3\text{dB}$ typical change, 500 matings
Operating Temperature	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
Housing type	APC - Green, PC - Blue

## 1 Components and tools 组成元件和工具



Components  
1、组成元件



Auxiliary tools  
2、辅助工具



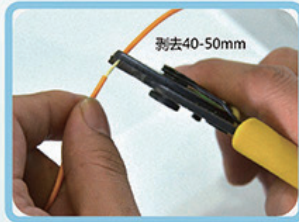
Recommended installation tools  
3、建议使用工具

## 2 Assembly steps 组装作业方法

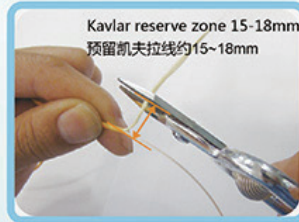
### Process the fiber 光纤处理



Put the cable into the boot  
1.1 光缆穿入尾套



Strip the cable layer  
1.2 剥去光缆外皮



Shear the kevlar line  
1.3 剪切凯夫拉线



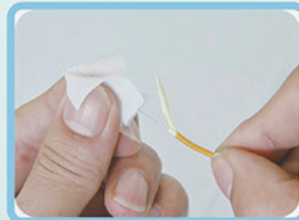
Strip the  $\Phi 0.9$  mm cable cover  
1.4 剥去 $\Phi 0.9$ mm光缆保护层



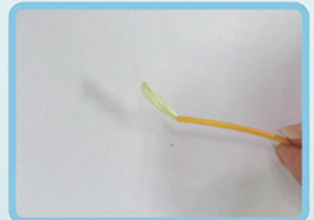
Strip the  $\Phi 0.25$  mm fiber coating layer  
1.5 剥去 $\Phi 0.25$ mm光纤涂覆层



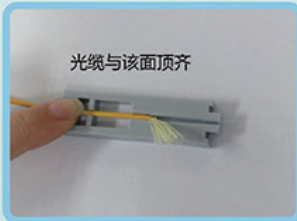
Check the fiber  
1.6 检查光纤是否损伤



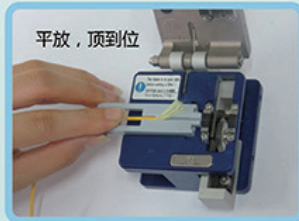
Clean the fiber  
1.7 清洁光纤



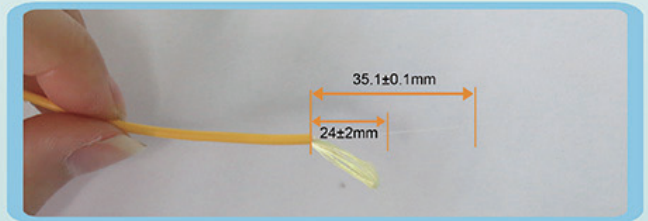
Complete stripping  
1.8 完成剥纤



Put the clamp into the cutting clamp  
1.9 夹块装入切割辅助夹块

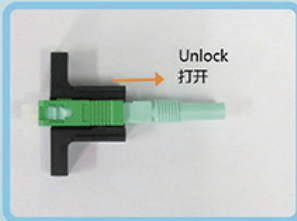


Cut the fiber  
1.10 切割光纤

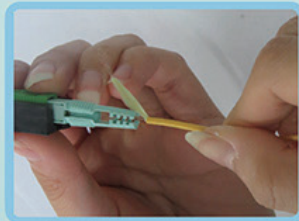


The fiber length specification  
1.11 切割后长度说明

### Assembly 组装



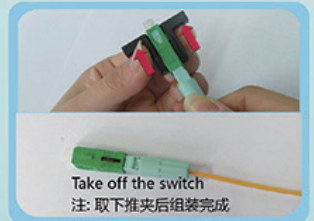
Put the cable into the boot  
2.1 光缆穿入尾套



Insert the fiber  
2.2 穿入光纤



Lock the boot  
2.3 拧紧螺尾套

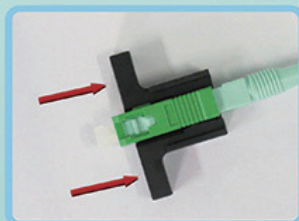


Lock the fiber  
2.4 锁紧光纤

### Disassembly 拆装



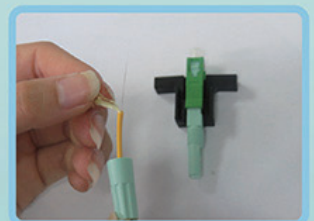
Assemble the auxiliary jig  
3.1 装助推块



Unlock the fiber  
3.2 解锁光纤



Unlock the boot, Put out the fiber  
3.3 解开螺尾套, 取出光纤



Complete disassembling  
3.4 完成拆装