

FOX SOC

Fox
Splice On Connector



Field-installable, Splice-on Connector for FTTx and Data Center

More cost-efficient than Mechanical Connector
No maintenance will be required
The perfect connection quality (I/L : 0.2dB, R/L : 60dB)

FOX Splice-on Connectors

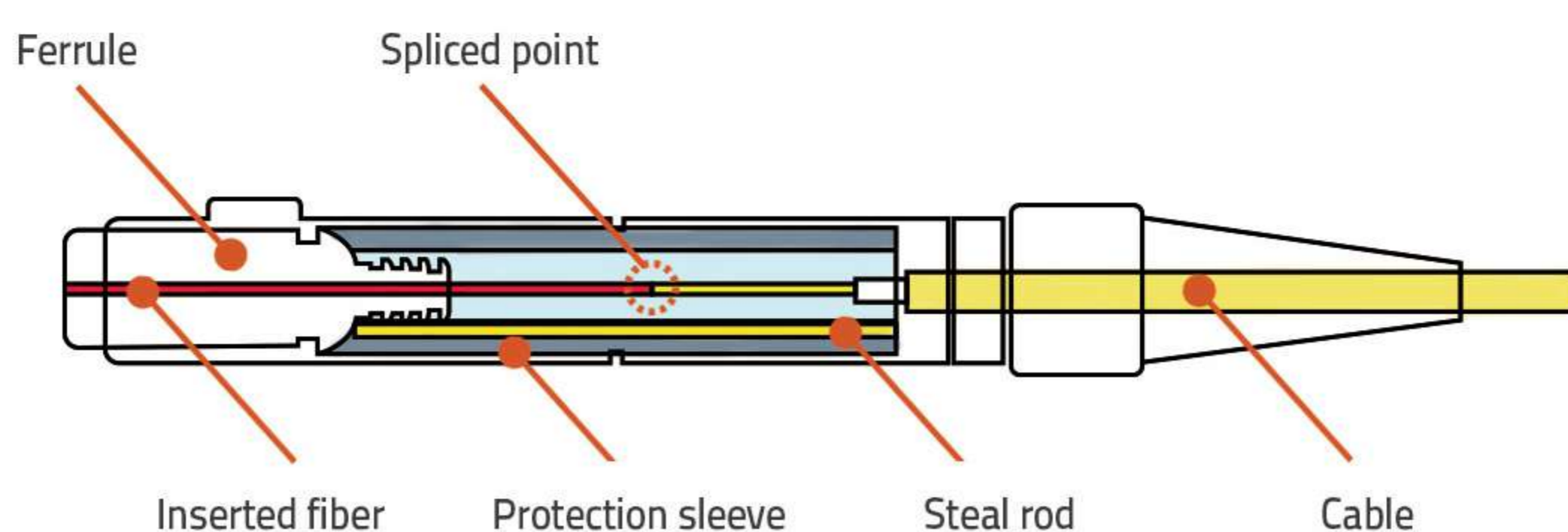
Description

Fox Splice-on Connector is quick, easy and reliable solution for last mile and Data center area. As it is field installable, it eliminates excess cable in last mile field and ODF. And because of splicing, there are no need of adhesive, crimping or polishing. And Fox connector provides excellent compatibility with other brands of splicer. An engineer does not need to purchase additional splicer but can use existing splicers.

Features

- Compliant with IEC61754-4, KS C6974(F04), JIS C5973(F04)
- Compliant with Telcordia GR-326-core
- Termination in the field
- No adhesive and crimping
- Improved splice loss & return loss
- Enhanced tensile strength (exceeding 50N)
- Easy Assembly
- Saving cost (no maintenance, no excess cable in ODF)
- Compliant with UL94V-0
- Compatible other brands of splicer(ref to p.4)

Interior Structure



Recommended Tools



Mini 4S



Mini 50GB



Mini-DC12

Fox Splice-on Connector



Product Info

Part Number : SC/APC

Size(mm) : 53 x 9 x 7

Weight : 3g

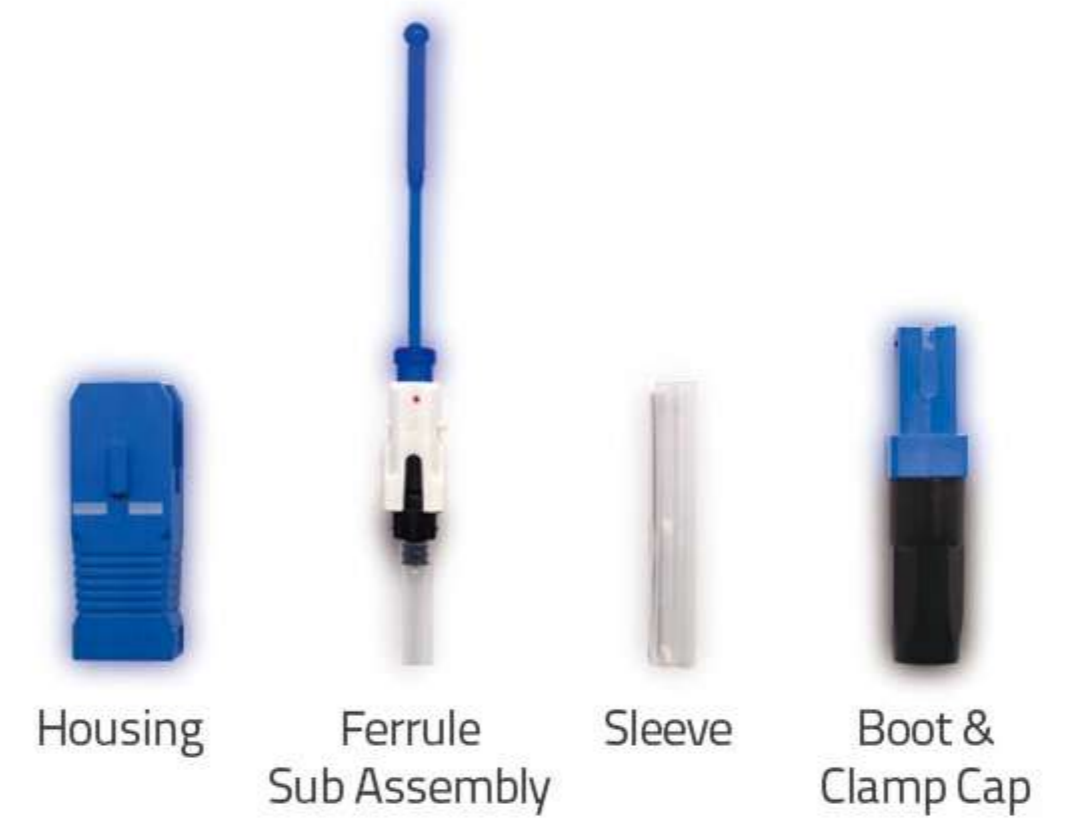


Product Info

Part Number : SC/UPC

Size(mm) : 53 x 9 x 7

Weight : 3g



Product Info

Part Number : FC

Size(mm) : 51 x 9 x 9

Weight : 6g

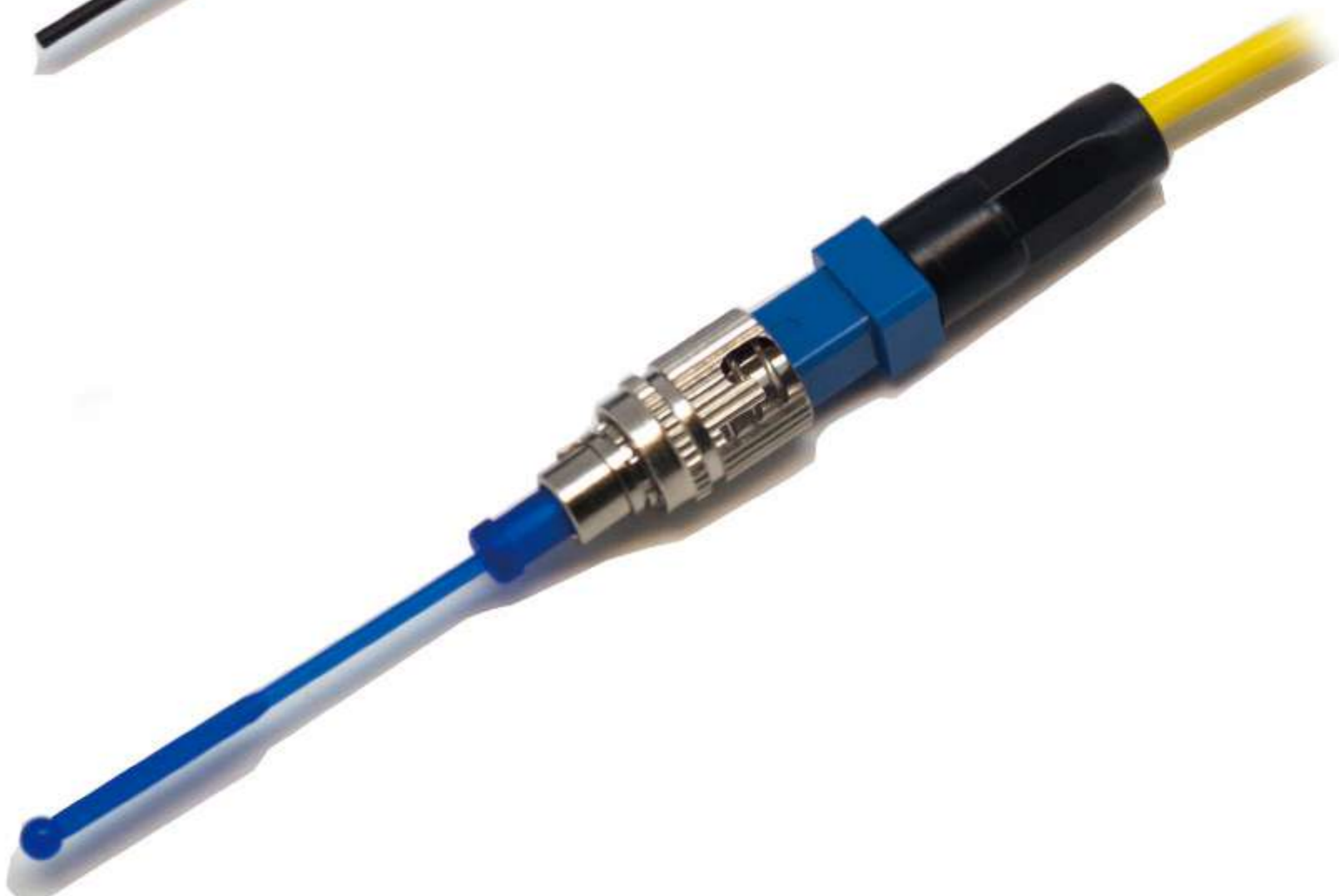


Product Info

Part Number : LC

Size(mm) : 57 x 6 x 7

Weight : 2g



Product Info

Part Number : ST

Size(mm) : 54 x 9 x 9

Weight : 6g



Ordering Information

	SC		LC	
Type	SC 900um	SC 2/3mm / indoor cable	LC 900um	LC 2mm
SM-UPC	SC-SM-UPC-09	SC-SM-UPC-30	LC-SM-UPC-09	LC-SM-UPC-20
SM-APC	SC-SM-APC-09	SC-SM-APC-30	LC-SM-APC-09	LC-SM-APC-20
SM(G657A1)-UPC	SC-SM(G657A1)-UPC-09	SC-SM(G657A1)-UPC-30	LC-SM(G657A1)-UPC-09	LC-SM(G657A1)-UPC-20
SM(G657A1)-APC	SC-SM(G657A1)-APC-09	SC-SM(G657A1)-APC-30	LC-SM(G657A1)-APC-09	LC-SM(G657A1)-APC-20
SM(G657A2)-UPC	SC-SM(G657A2)-UPC-09	SC-SM(G657A2)-UPC-30	LC-SM(G657A2)-UPC-09	LC-SM(G657A2)-UPC-20
SM(G657A2)-APC	SC-SM(G657A2)-APC-09	SC-SM(G657A2)-APC-30	LC-SM(G657A2)-APC-09	LC-SM(G657A2)-APC-20
MM(50)	SC-MM(50)-PC-09	SC-MM(50)-PC-30	LC-MM(50)-PC-09	LC-MM(50)-PC-20
MM(62.5)	SC-MM(62.5)-PC-09	SC-MM(62.5)-PC-30	LC-MM(62.5)-PC-09	LC-MM(62.5)-PC-20
	FC		ST	
Type	FC 900um	FC 2/3mm / indoor cable	ST 900um	ST 2/3mm / indoor cable
SM-UPC	FC-SM-UPC-09	FC-SM-UPC-30	ST-SM-UPC-09	ST-SM-UPC-30
SM-APC	FC-SM-APC-09	FC-SM-APC-09	ST-SM-APC-09	ST-SM-APC-30
SM(G657A1)-UPC	FC-SM(G657A1)-UPC-09	FC-SM(G657A1)-UPC-30	ST-SM(G657A1)-UPC-09	ST-SM(G657A1)-UPC-30
SM(G657A1)-APC	FC-SM(G657A1)-APC-09	FC-SM(G657A1)-APC-30	ST-SM(G657A1)-APC-09	ST-SM(G657A1)-APC-30
SM(G657A2)-UPC	FC-SM(G657A2)-UPC-09	FC-SM(G657A2)-UPC-30	ST-SM(G657A2)-UPC-09	ST-SM(G657A2)-UPC-30
SM(G657A2)-APC	FC-SM(G657A2)-APC-09	FC-SM(G657A2)-APC-30	ST-SM(G657A2)-APC-09	ST-SM(G657A2)-APC-30
MM(50)	FC-MM(50)-PC-09	FC-MM(50)-PC-30	ST-MM(50)-PC-09	ST-MM(50)-PC-30
MM(62.5)	FC-MM(62.5)-PC-09	FC-MM(62.5)-PC-30	ST-MM(62.5)-PC-09	ST-MM(62.5)-PC-30

Specification

Item	Performance Standards
Connector type	SC, LC, FC, ST
Cable type	3mm Drop cable, 3x2mm Flat cable, 2.0 mm, 0.9mm Cable / LC(0.9 mm, 2.0 mm Only)
Insert Loss	≤ 0.2 dB
Return Loss	≥ 65 dB(Typical ≥ 60 dB)
Adaptor repeat test	100 times of reconnection: ≤ 0.2dB
Operating Temperature	-40°C to 75°C

Fusion Splicer



FOX FTTH Package

Description

The Fox FTTH Package is designed to make 'Fox SOC' possible to be assembled with other brands of Splicer. It consists of compatible holders and an external heater. The external heater performs 240 times of heating with a fully charged battery and it is enough for 2~3days work.



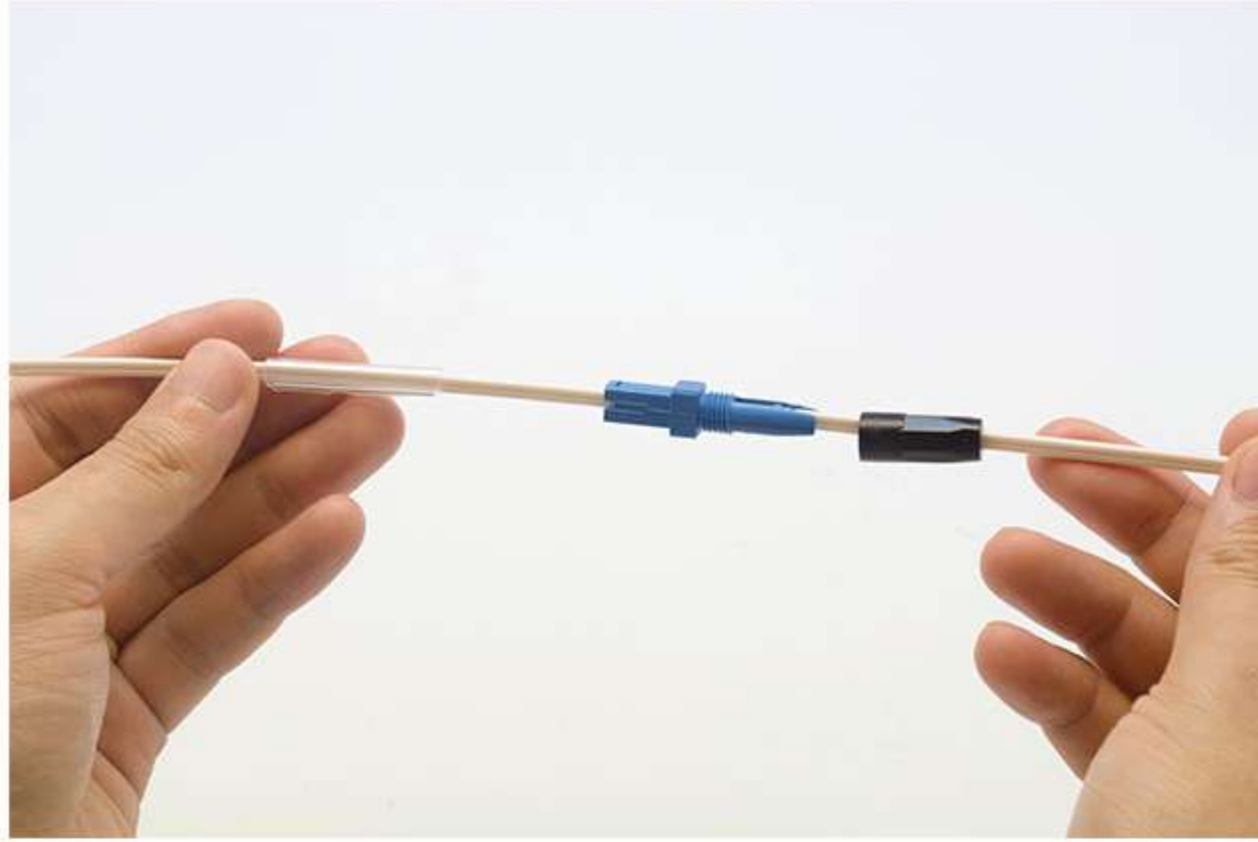
- External Heater
- Compatible Holders (Ferrule, Cable)

Specifications

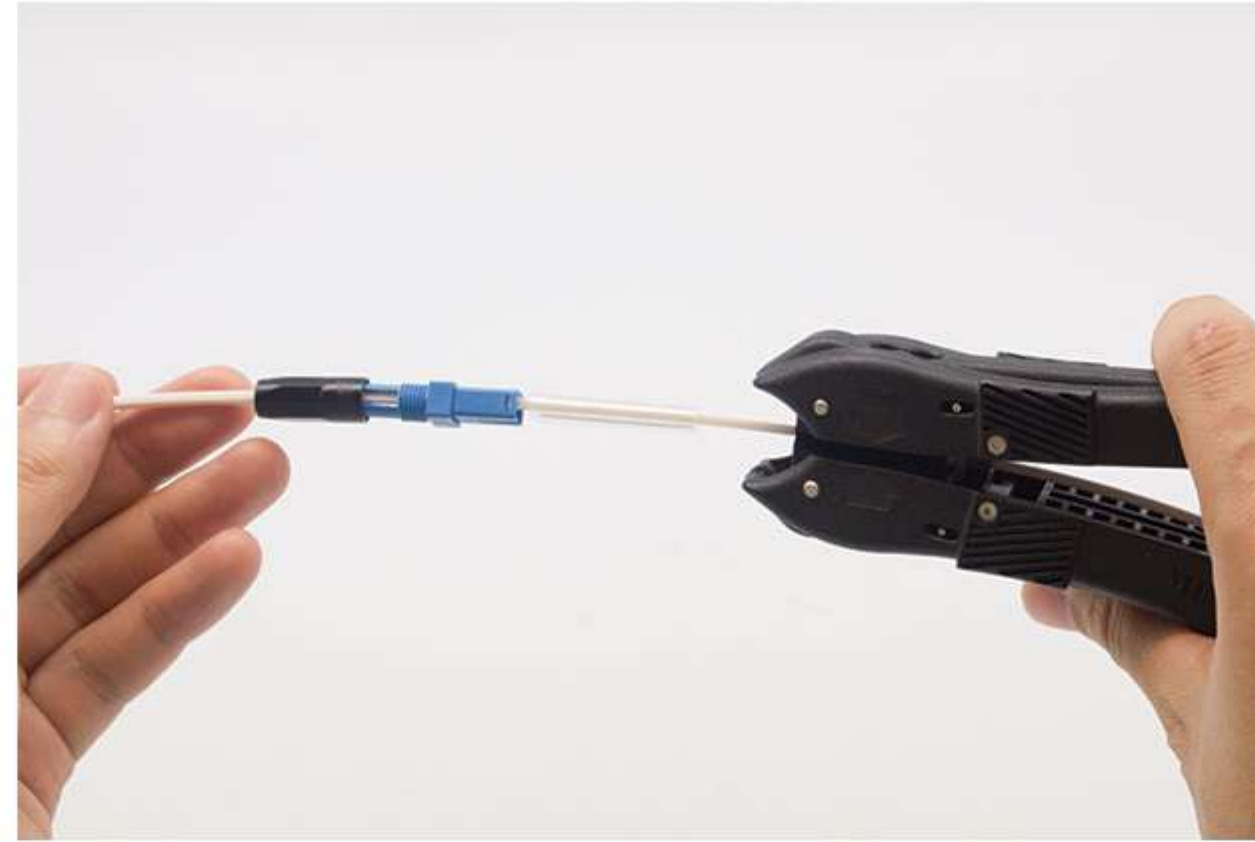
Model (Heater)	Mini-SH12
Operating Condition	Operating Altitude 0~5000m above sea level 0~95% relative humidity -10 ~ 50°C Max Wind 15m/s
Storage Condition	0 ~ 95% relative humidity -20 ~ 40°C
Power Supply	AC input 100-240V, DC input 9-14V
Heating Sleeve Length	20 ~ 60mm
Heating Time	Typical 25s
Battery	3800mAh Battery Capacity Typical 240 times
Size	137(W) X 112(H) X 50(D) mm
Weight	431g
Applicable Model (holder & heater)	FSM-60S, 70S T-Z1C, 81C

Assembly Procedure

with Fiberfox Splicer



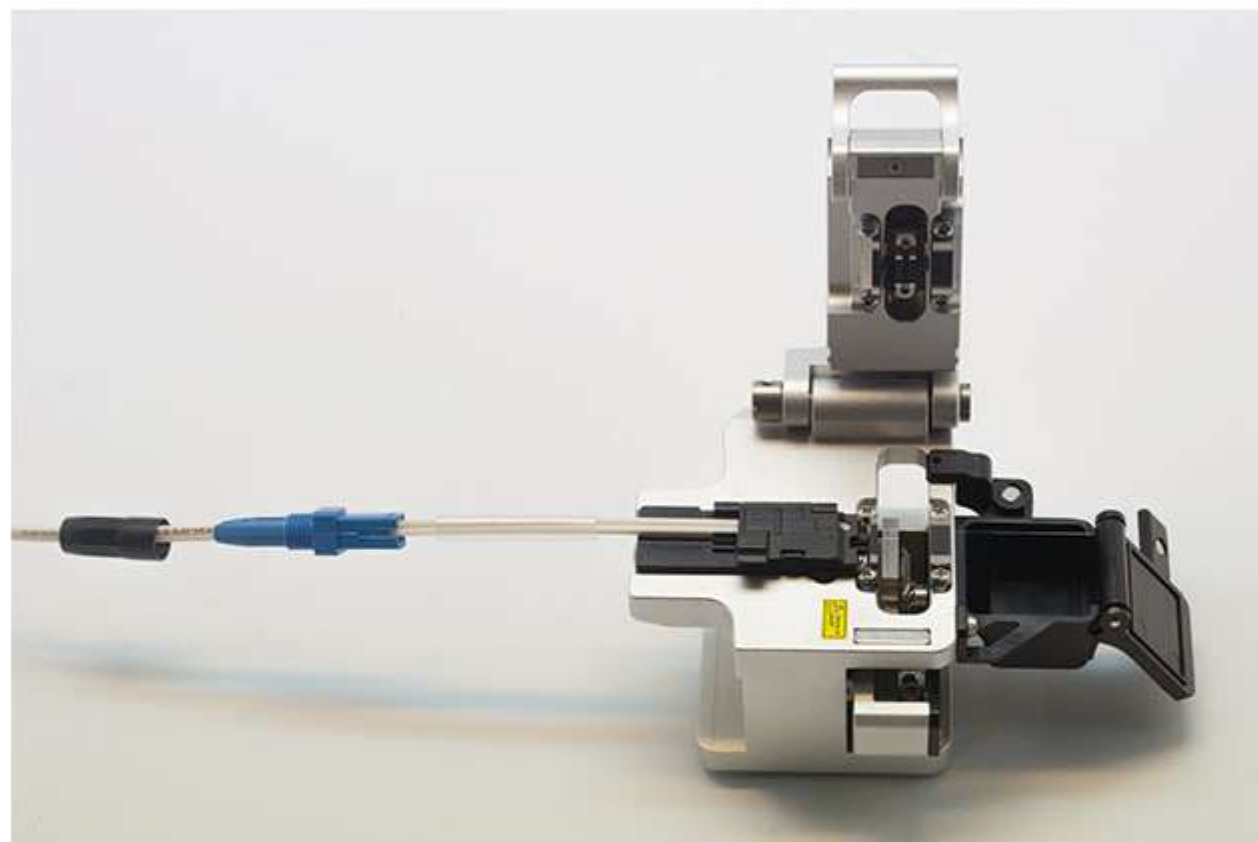
1. Pass the cable through the a sleeve, a boot, and a boot cap.



2. Strip the indoor cable with a stripper.



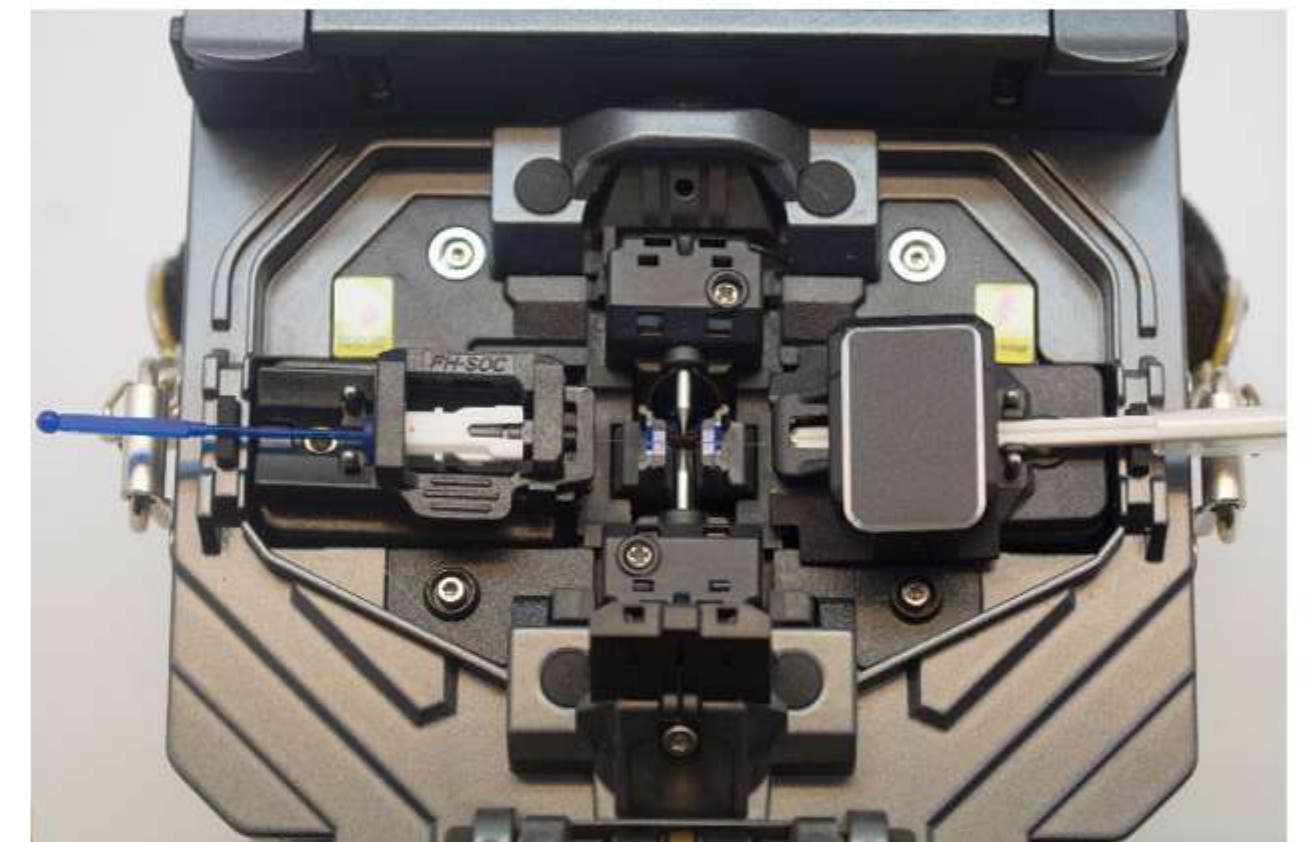
3. Clean the stripped cable with alcohol soaked tissue.



4. Cleave it with a cleaver and put the stripped cable on the right holder.



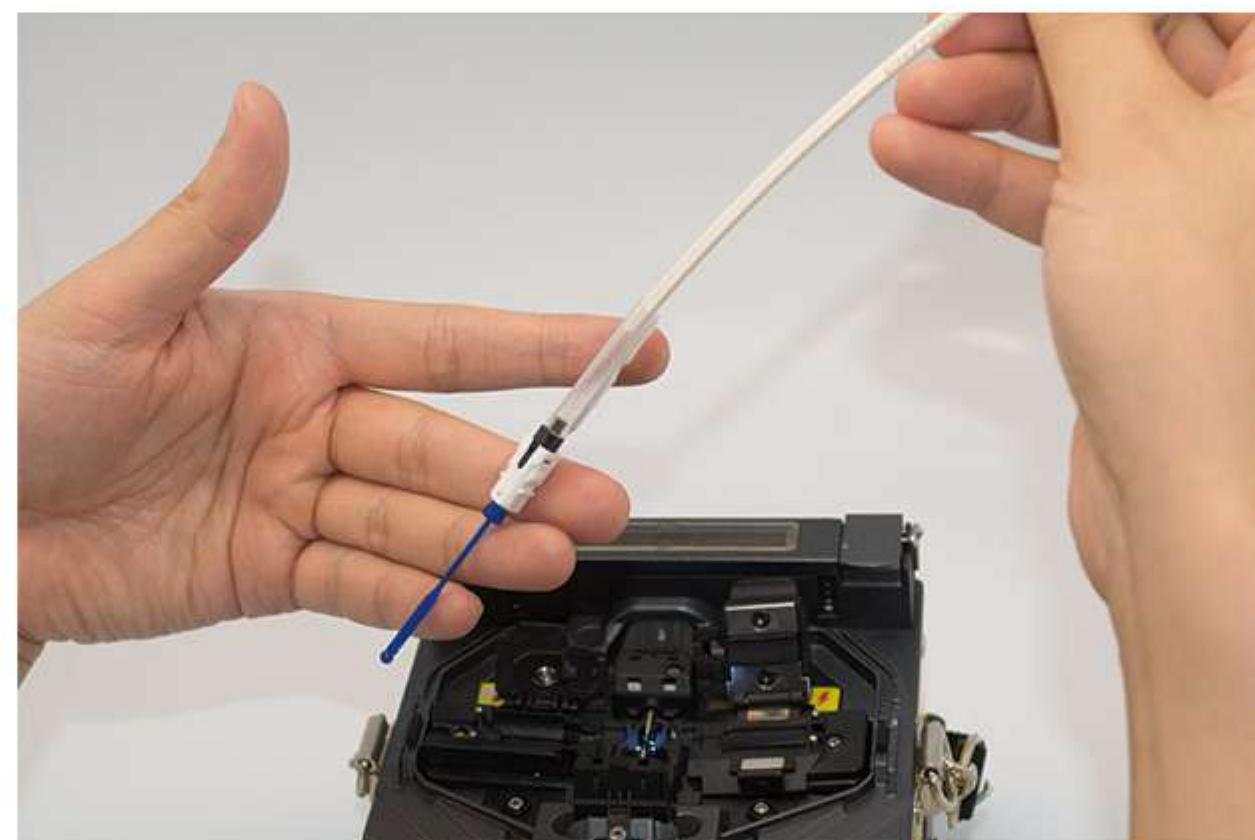
5. Take the ferrule fiber cap off.



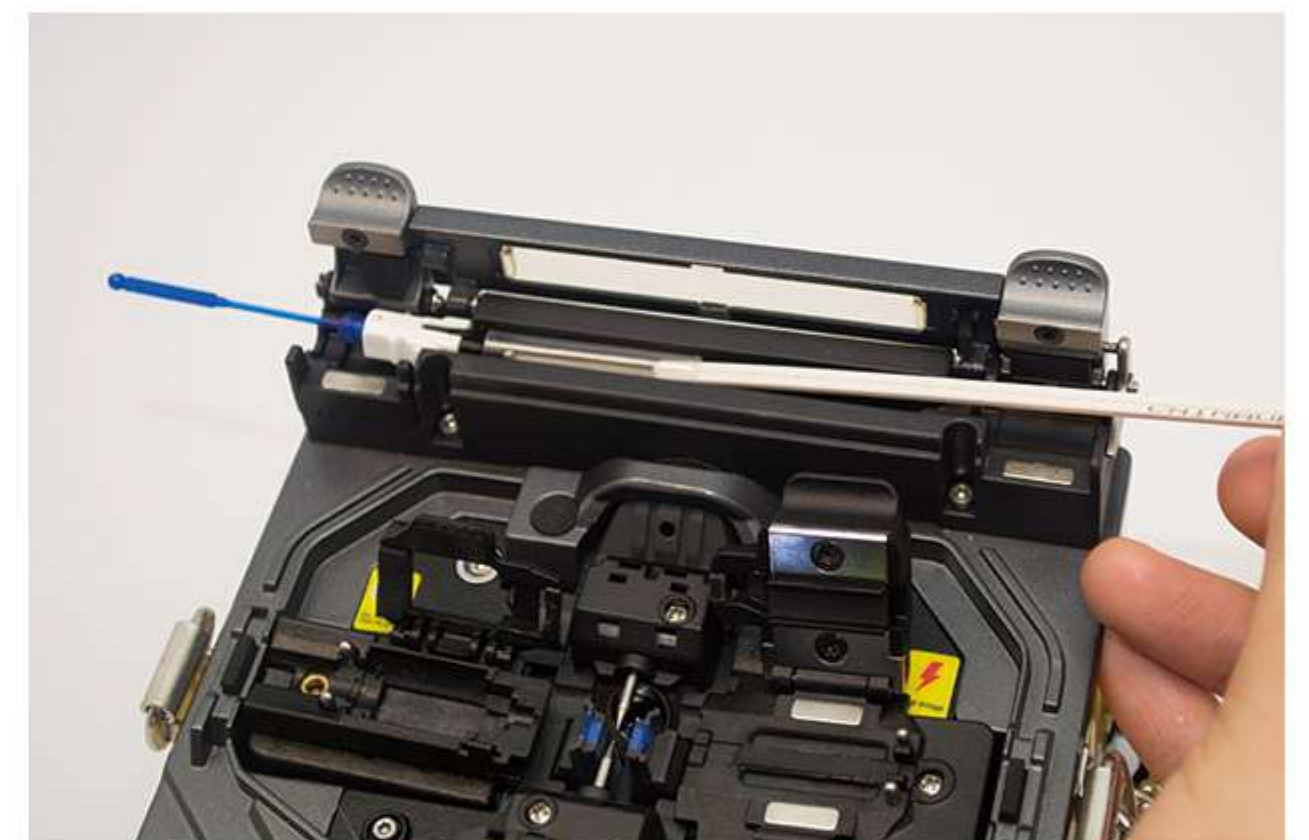
6. Put the ferrule part on the left holder.



7. Proceed with splicing process.



8. Slide the sleeve at the end of ferrule part.



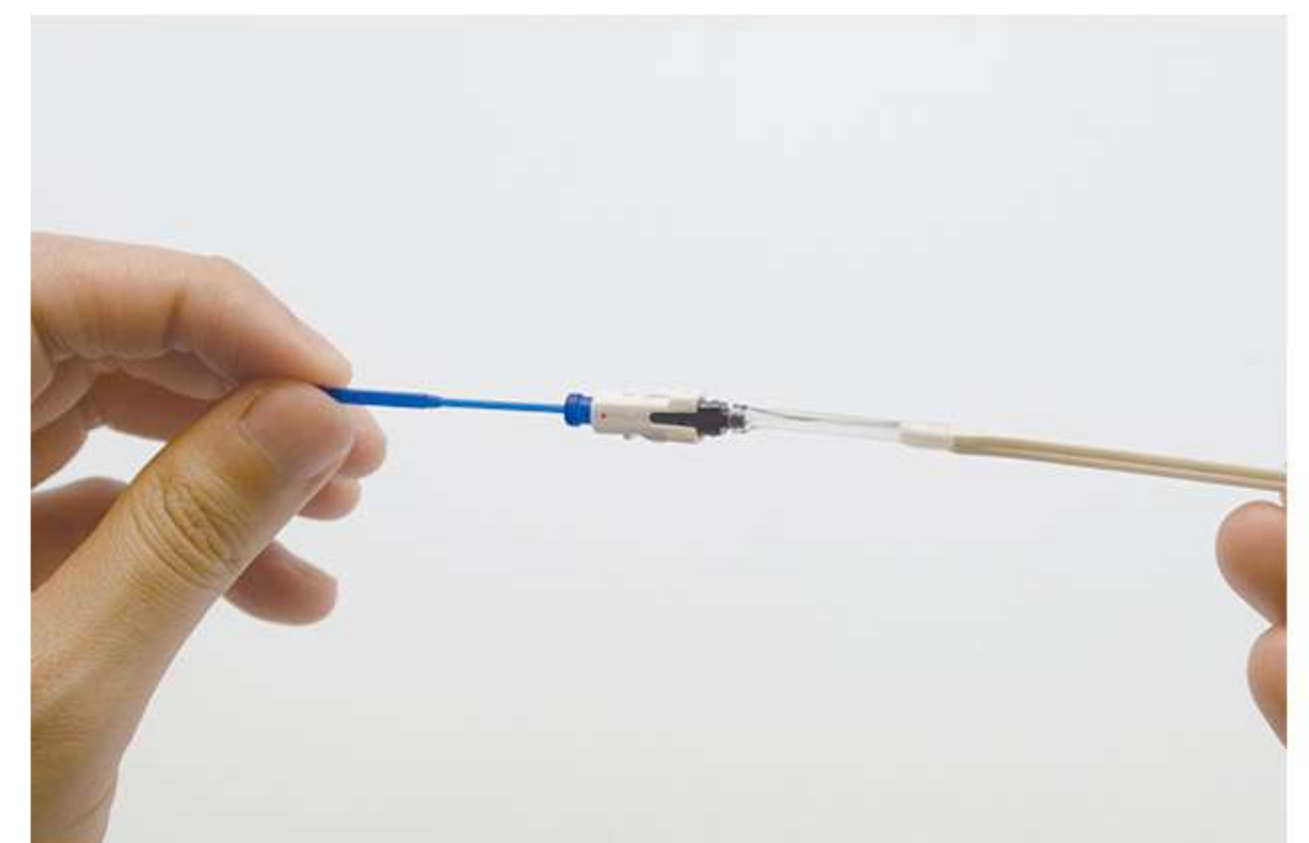
9. Put the cable in the oven.



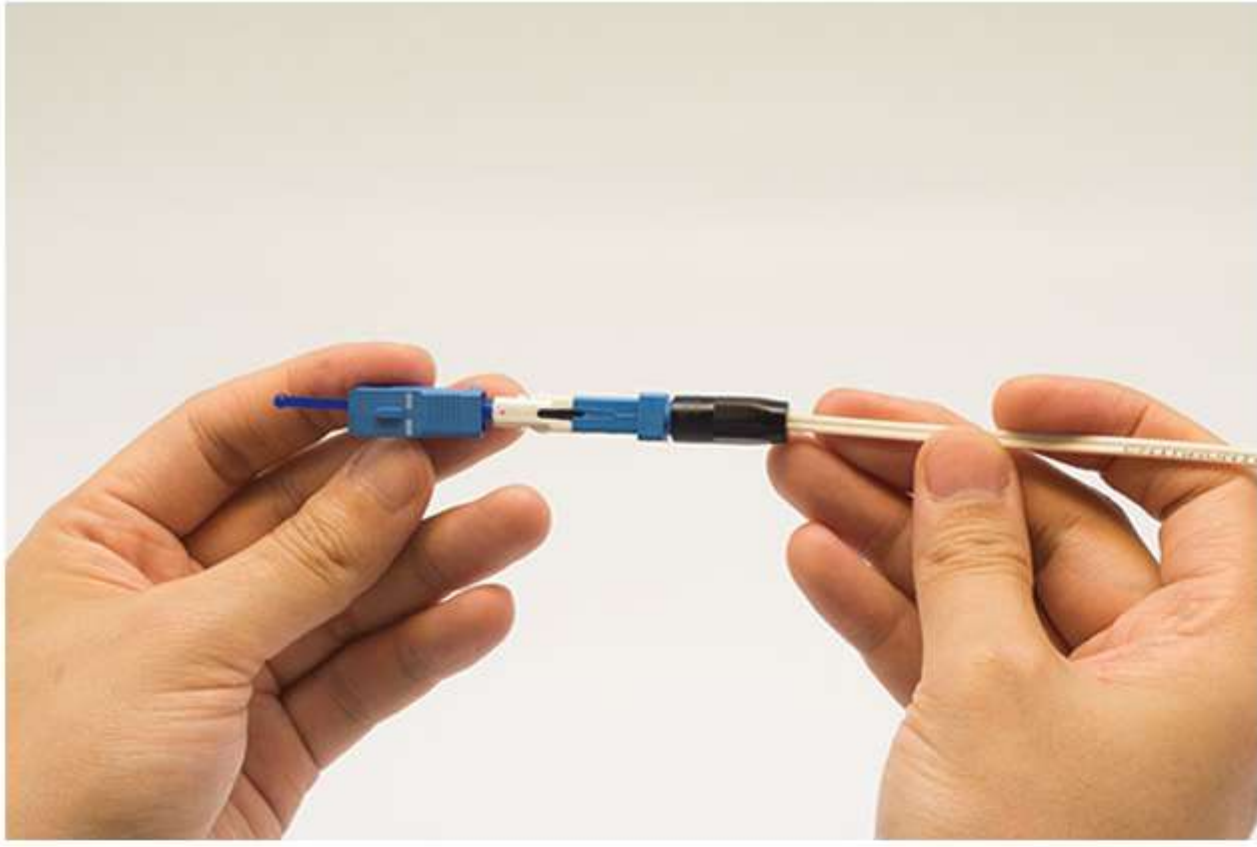
10. Set the Heating Menu.



11. Touch the heating icon for heating process.



12. Cool it down after the heating is completed.



13. Assemble the boot, the boot cap and the housing.



14. Complete.

Assembly Procedure with different brands of splicer



1. Prepare for a splicer, a heater, a cleaver and compatible holders.

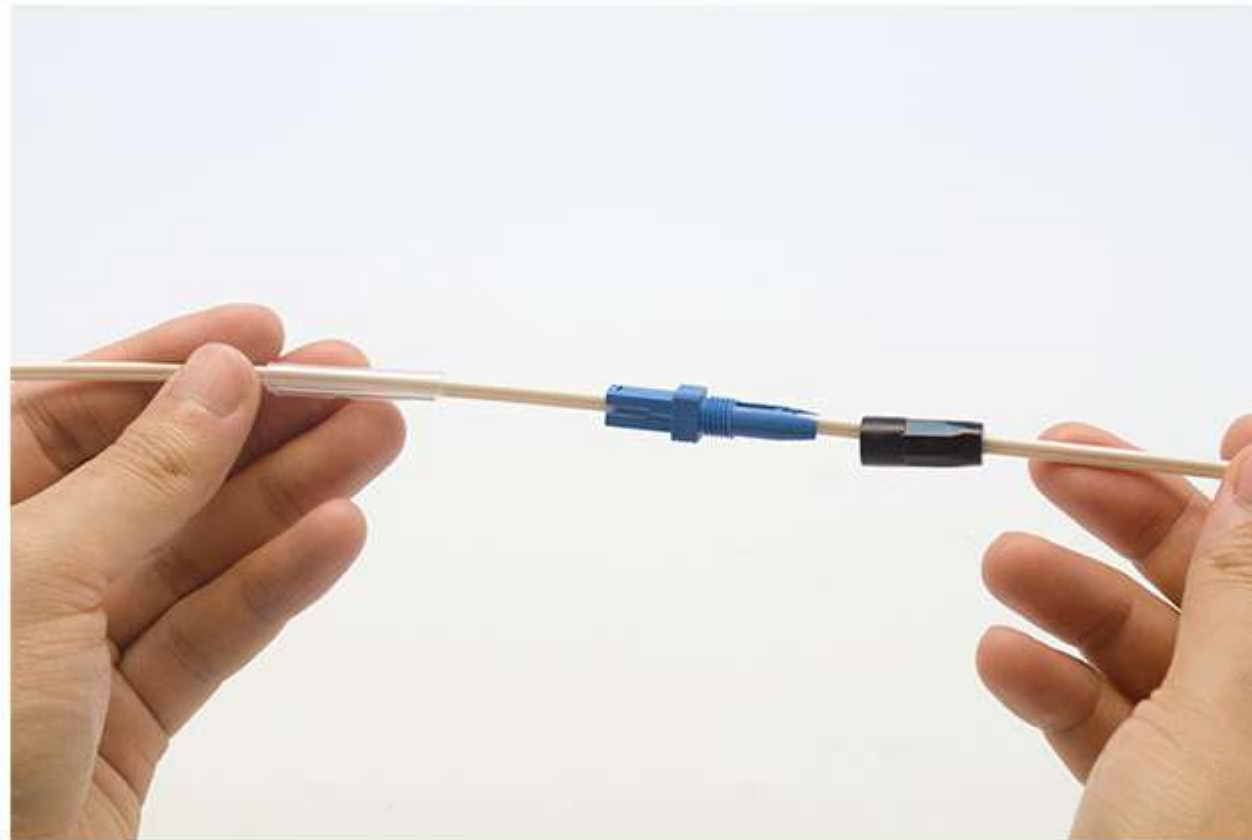
or



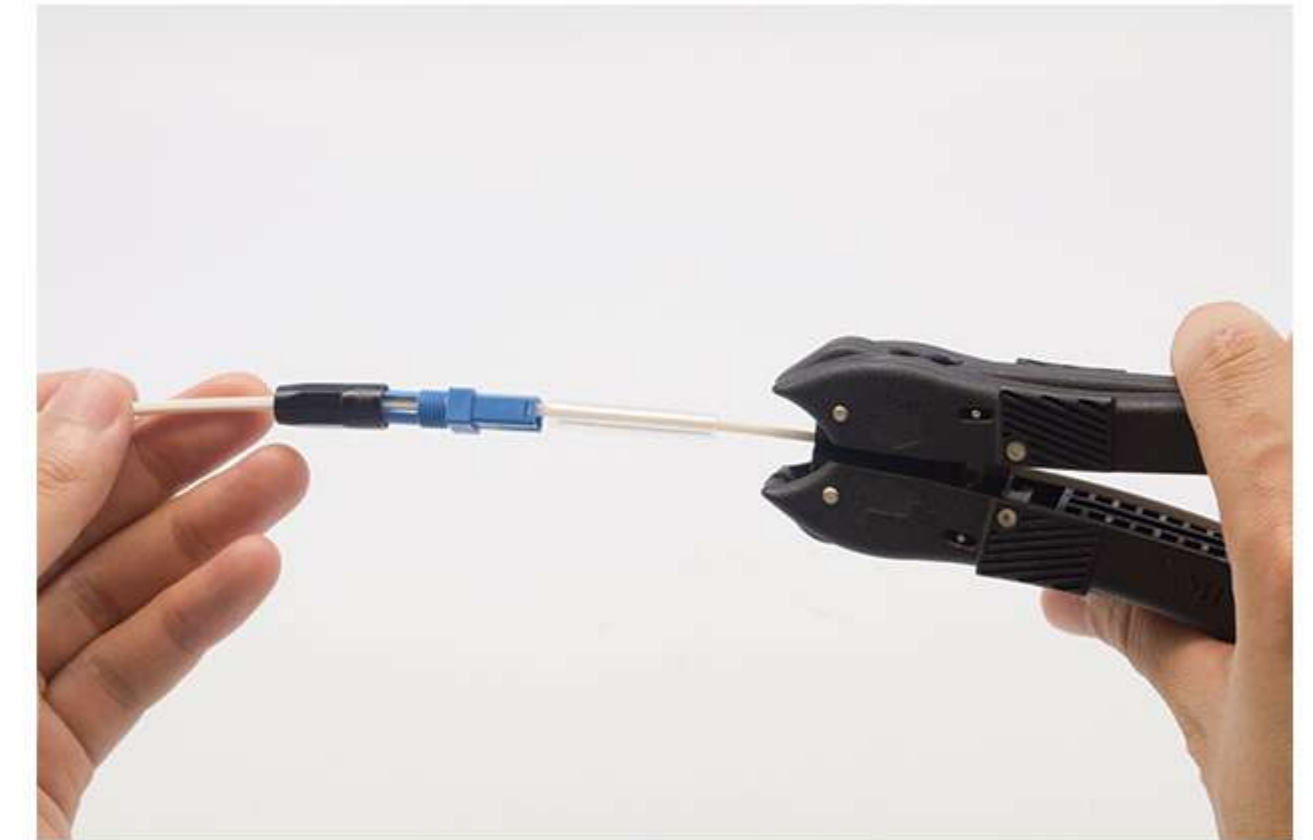
2. Unscrew the holders and take them out.



3. Put compatible holders.



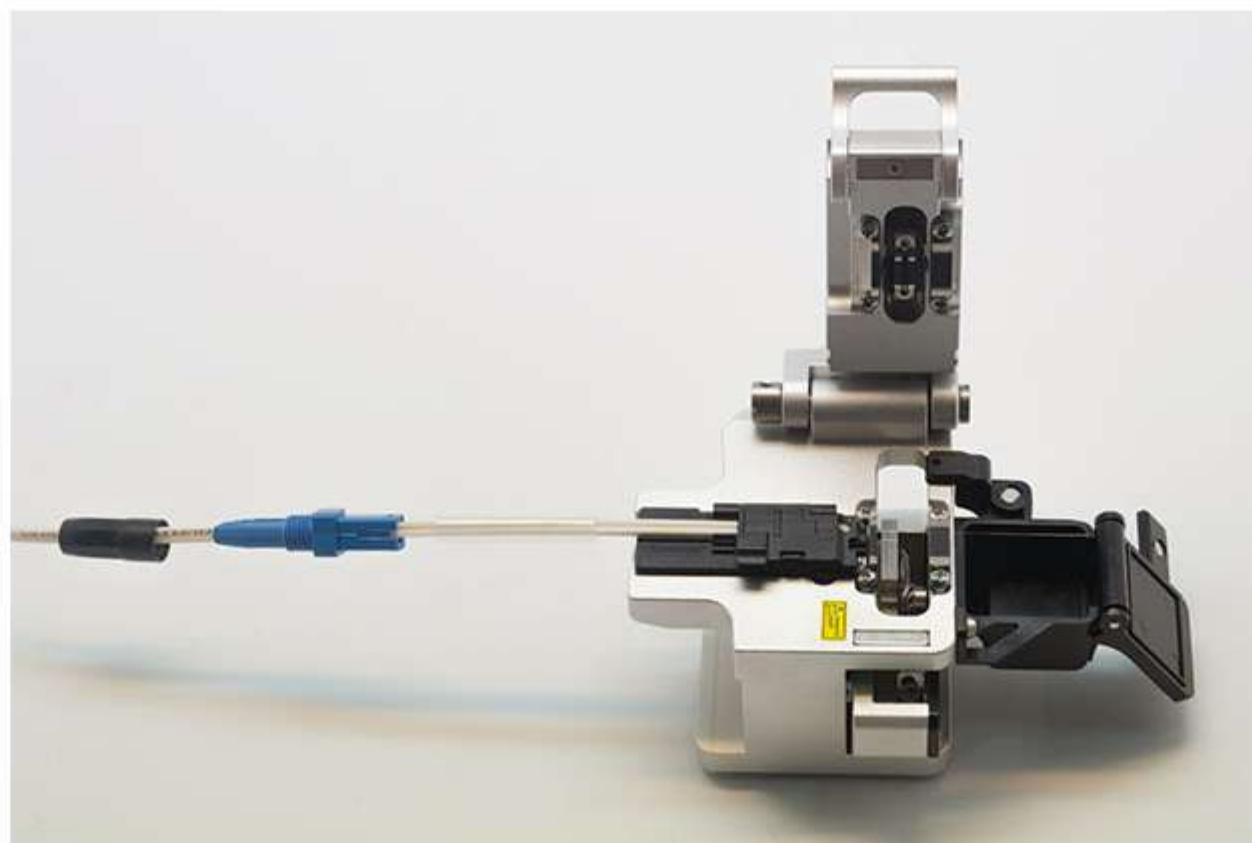
4. Pass the cable through the a sleeve, a boot, and a boot cap.



5. Strip the indoor cable with a stripper.



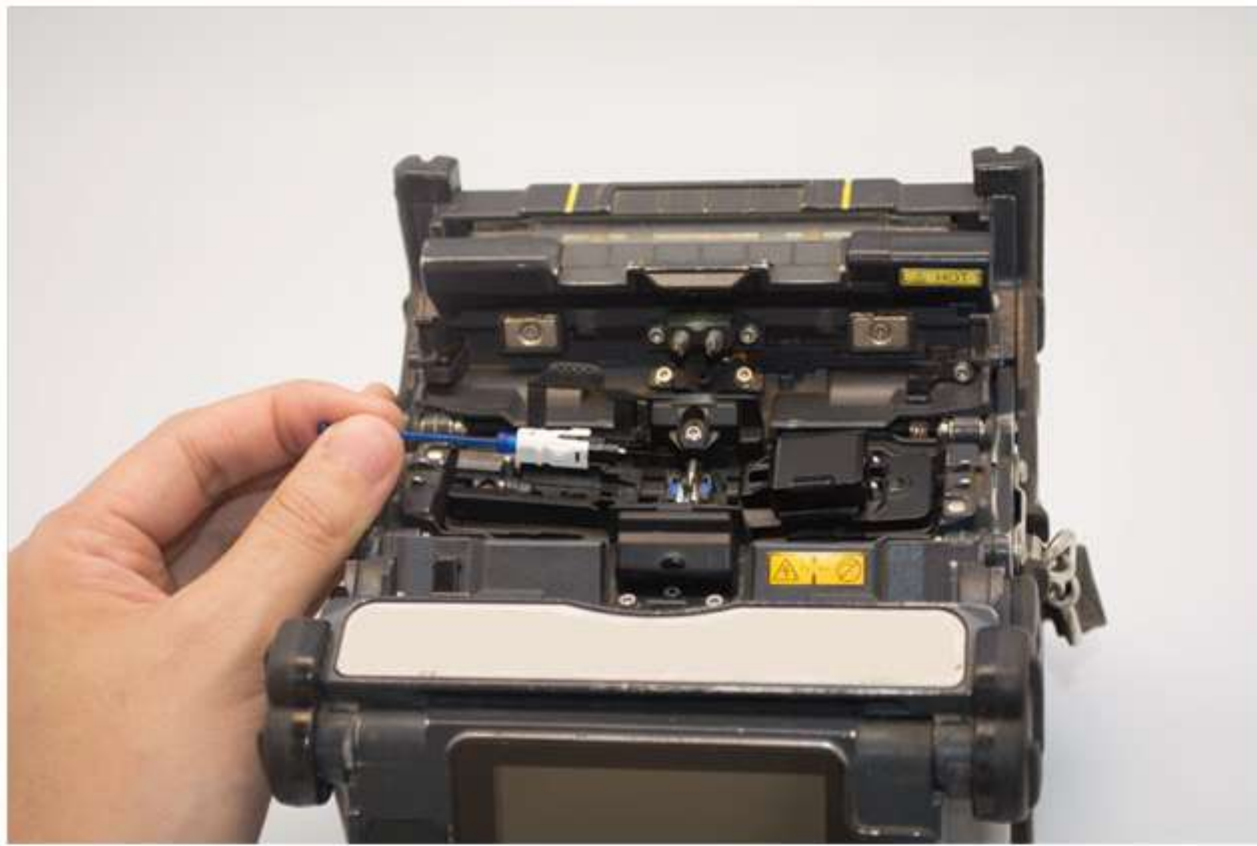
6. Clean the stripped cable with alcohol soaked tissue.



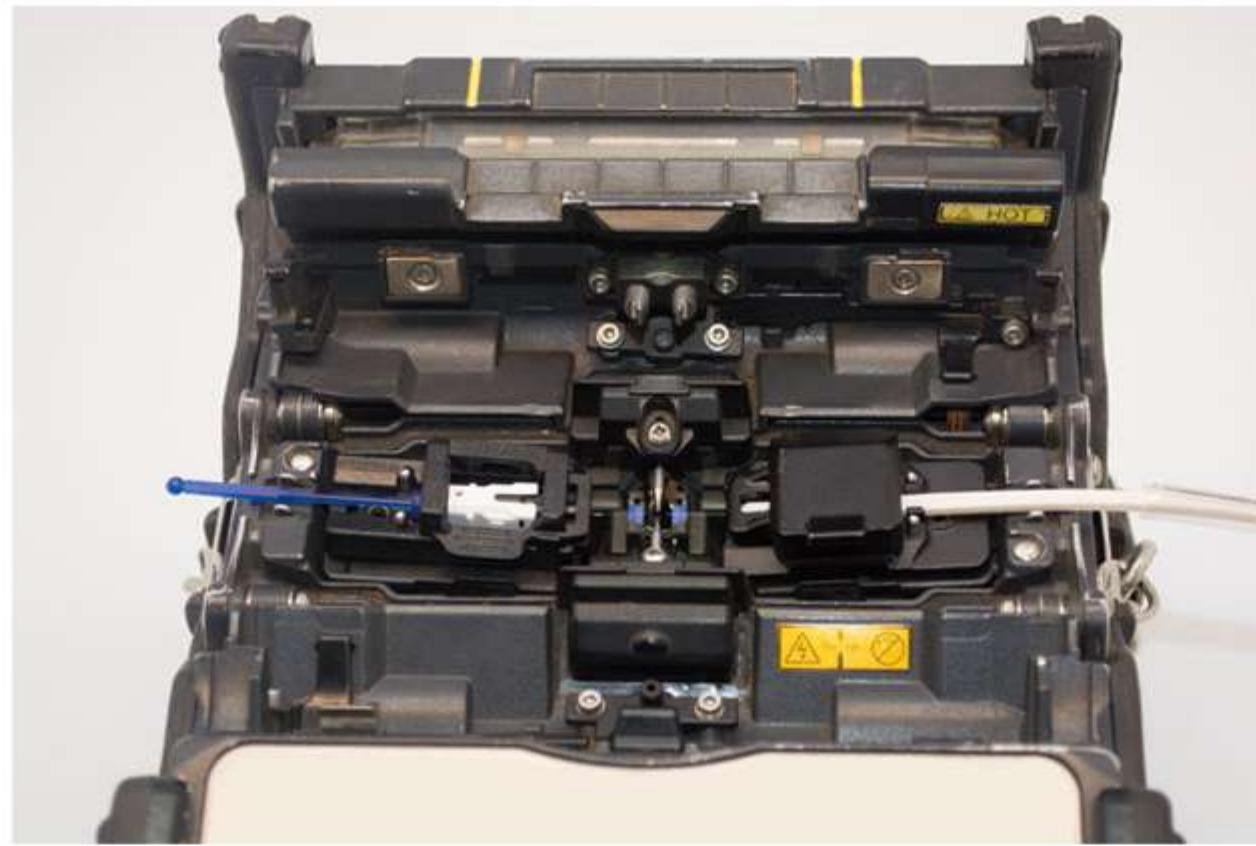
7. Cleave it with a cleaver and put the stripped cable on the right holder.



8. Take the ferrule fiber cap off.



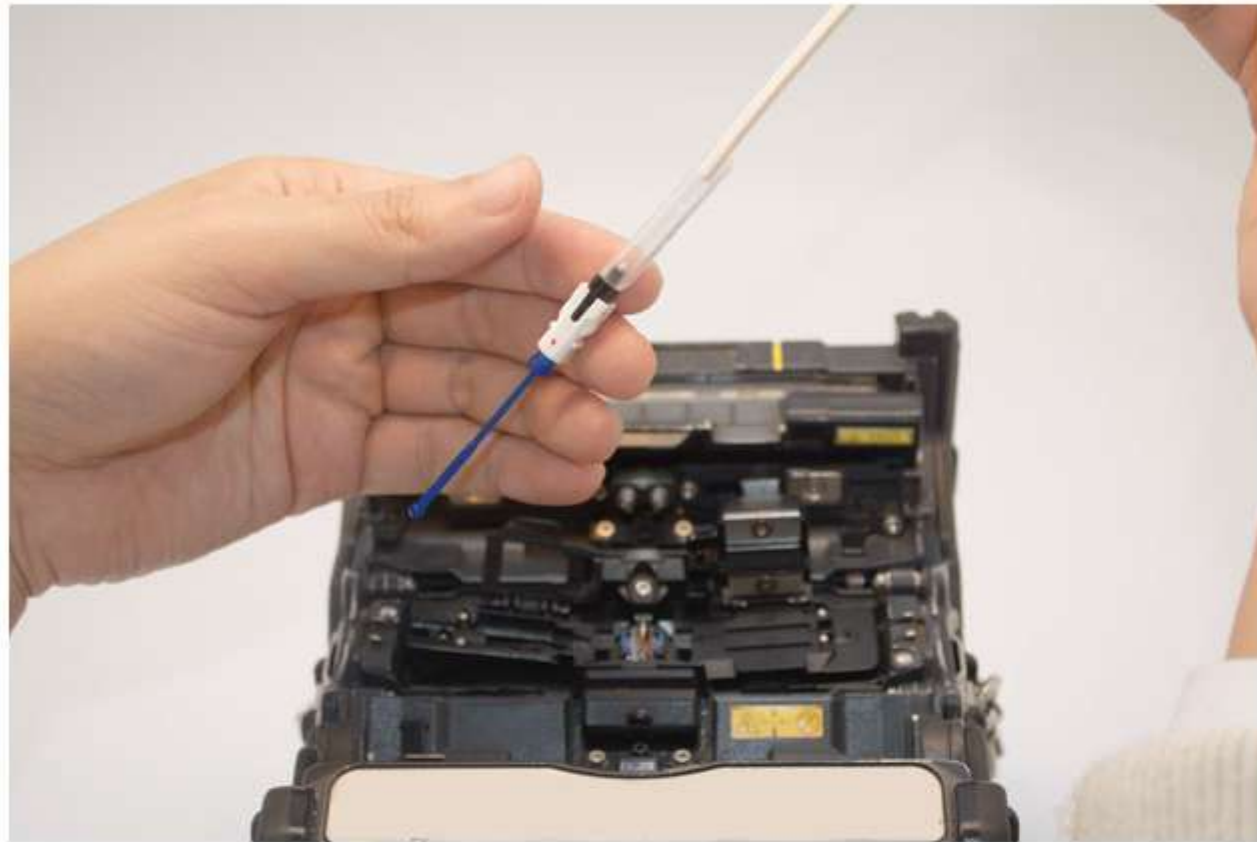
9. Put the ferrule on the right holder.



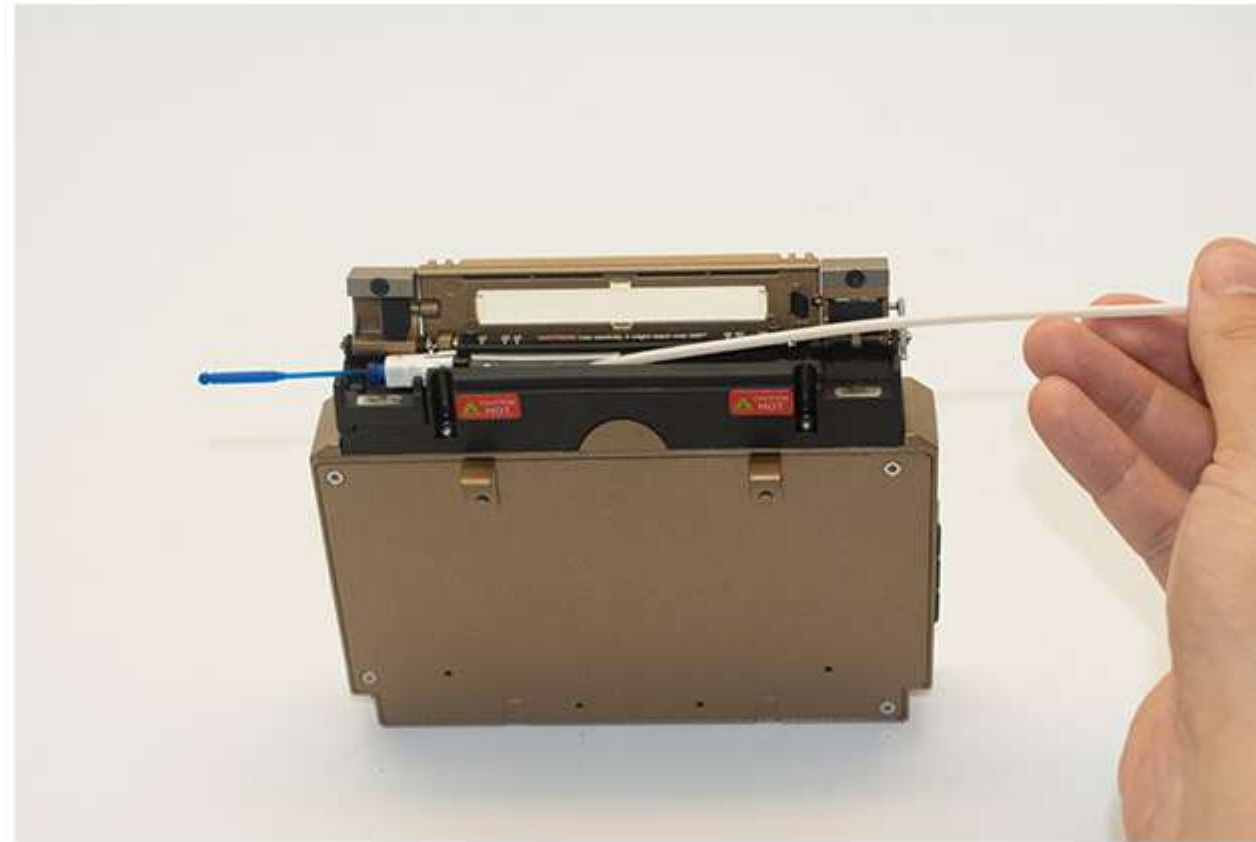
10. Make ready for splicing.



11. Close the windcover and align&splice



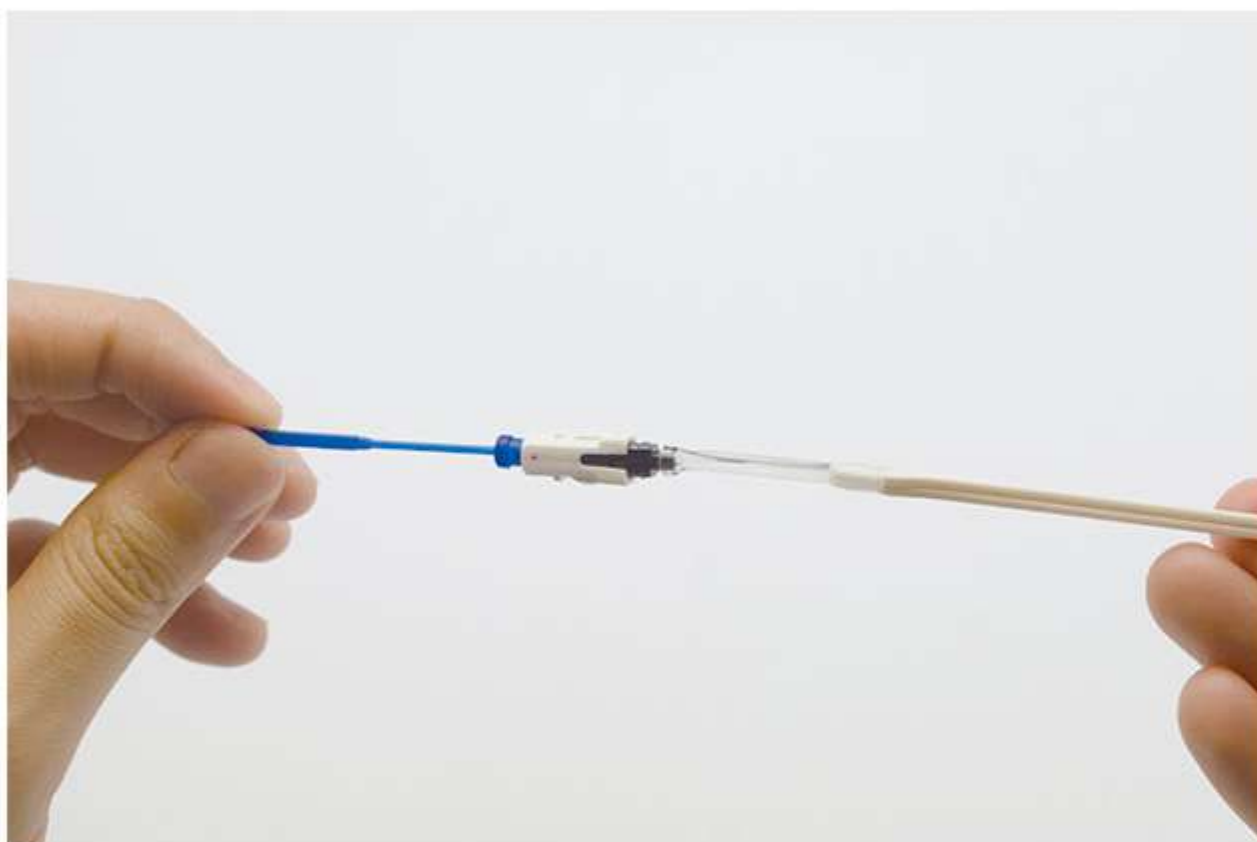
12. Slide the sleeve at the end of ferrule part.



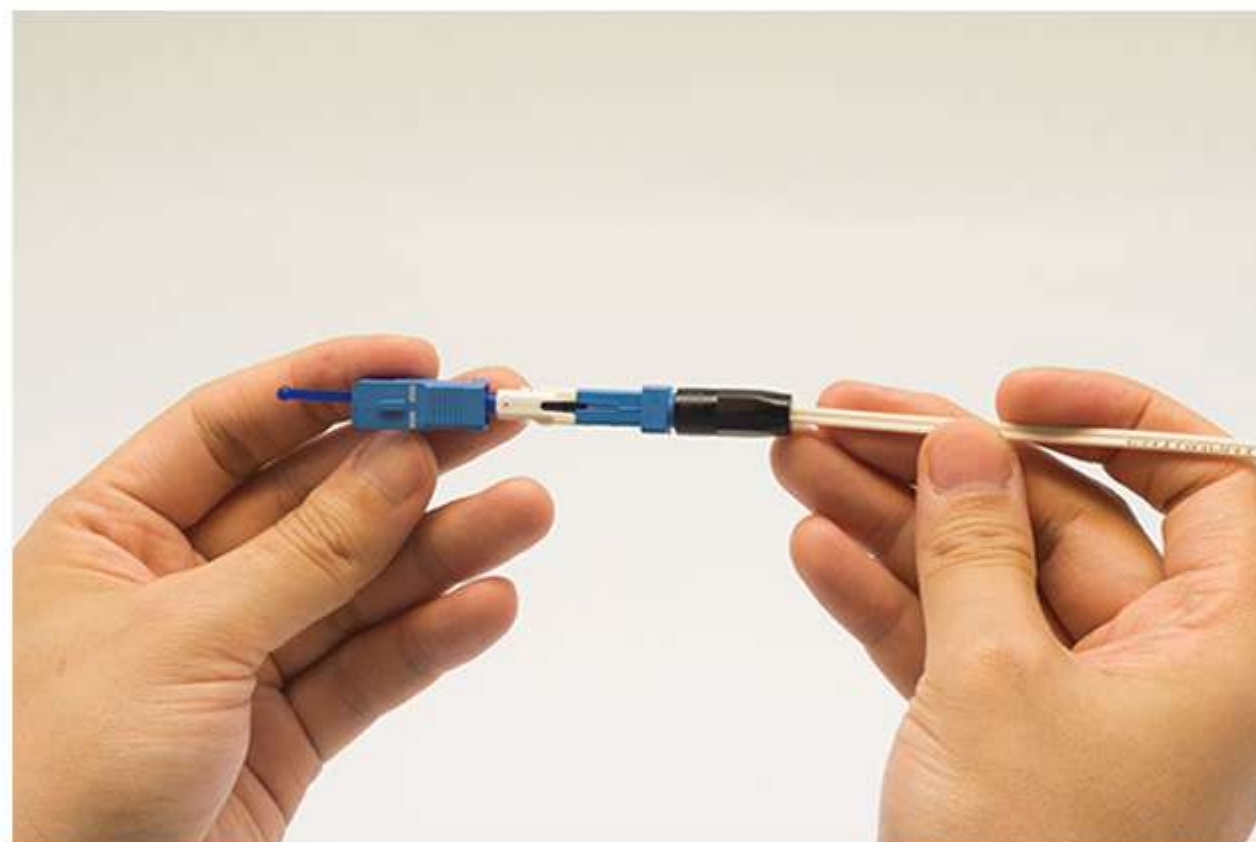
13. Put the cable in the oven.



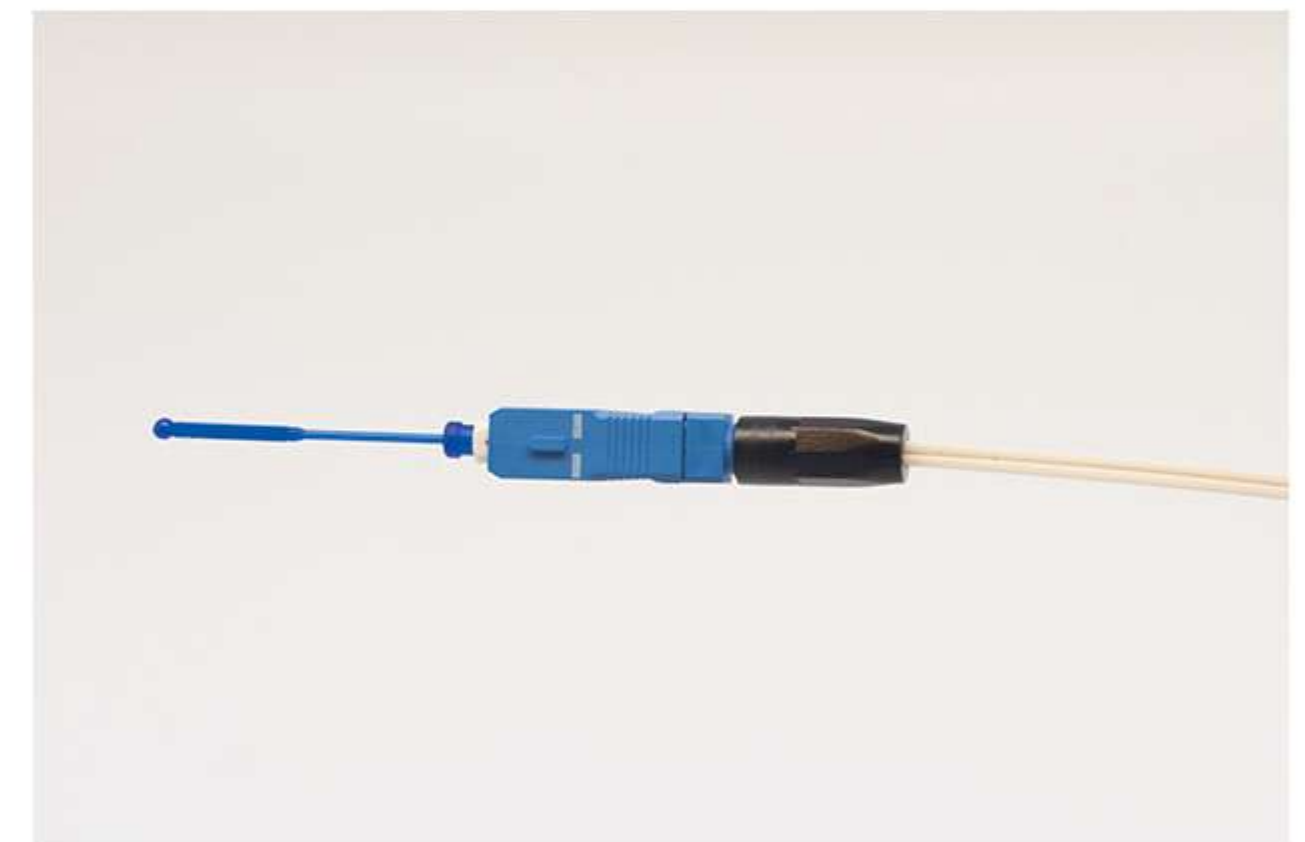
14. Set the heating menu.



15. Cool it down after the heating is completed.

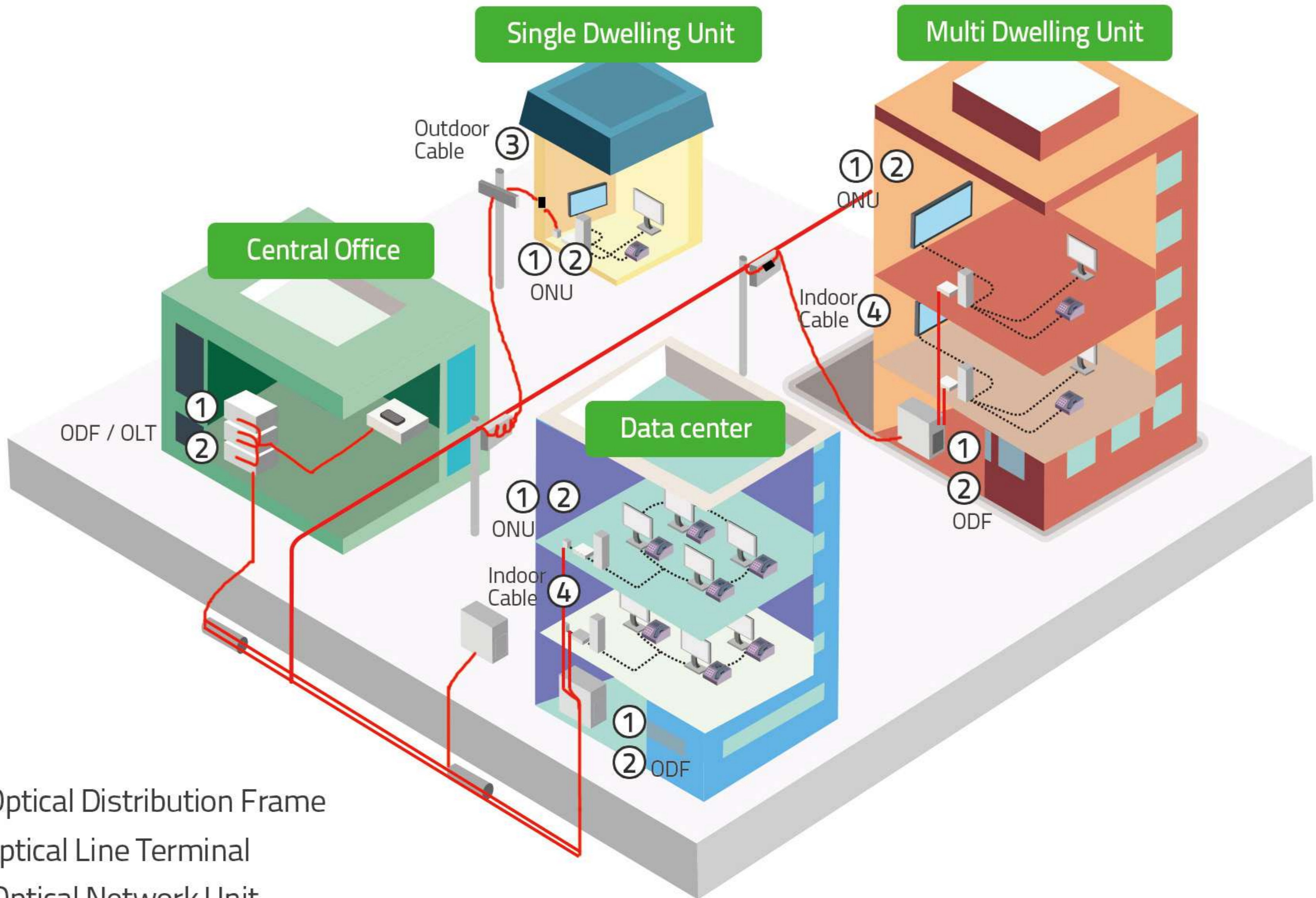


16. Assemble the boot, the boot cap and the housing.



17. Completed.

Application



ODF : Optical Distribution Frame
 OLT : Optical Line Terminal
 ONU : Optical Network Unit

Data Center



Splicing aerial drop cable

