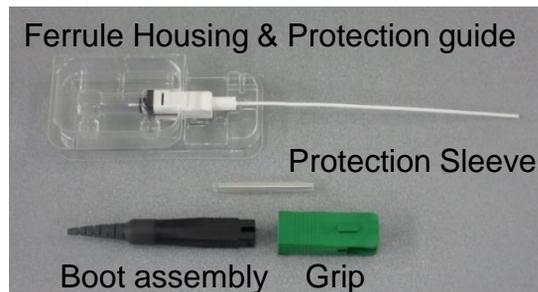


# EZ!Fuse SC Splice on Connector assembly instruction

## Materials

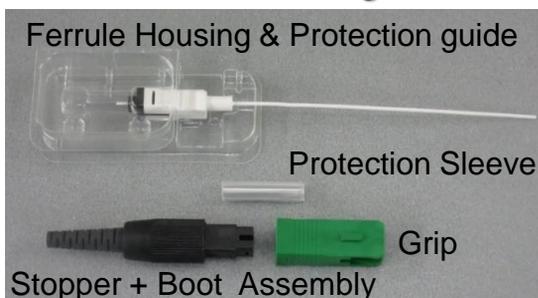
### ➤ SC Splice on Connector for 900 μm fiber

(1) Assembly kit

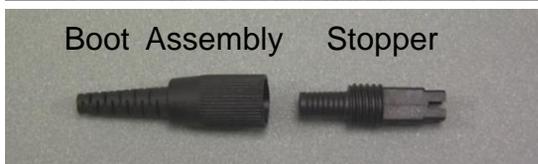


### ➤ SC Splice on Connector for 2 mm and 3 mm cordage

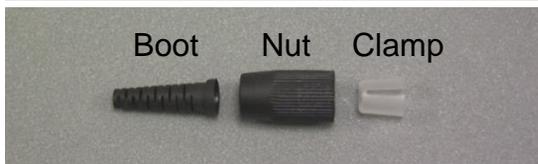
(1) Assembly kit



(2) Stopper + Boot Assembly



(3) Boot Assembly



### ➤ Ferrule Holder

S712C-SGS9C-R-P

Included with in every 10 pcs package



S712C-SGS9C-R-P

### ➤ Fiber/Cord Holder

S712S-900-L Fiber Holder

S712C-FSOC1-L Cord Holder



S712S-900-L



S712C-FSOC1-L

### ➤ Recommended Tools

S211B 3-Hole Fiber Stripper

SS-01 Scissor

S240A Slitter Snapper

S326A Cleaver



S211B

SS-01

S240A



S326A

# Compatible Fusion Splicer

EZ!Fuse is compatible with single fiber FITE! fusion splicers.  
FITE! S179A/NJ001A/S178A/S153A/S123C



S179A



NJ001A



S178A



S153A



S123C

## Fusion Splicer Setup

### ➤ Splice Program Setting

Select an appropriate splice program.

S179A

Main Menu > Select Fusion Program  
or

Touch "Fusion Program" icon on the screen

NJ001A/S178A/S153A/S123C

Main Menu > Select Fusion Program

Splicer	Splicing SMF	Splicing MMF
S179A	Auto	
NJ001A	SM1	MM1
S178A	Auto Selection	
S153A	Auto Selection	
S123C	SM1	MM1

### ➤ Heater Program Setting

Copy a program to blank. Select that program.  
Then, change the parameter values in the table.

Modify Heat program

S179A

Select Program > Edit > Advanced Setting

NJ001A/S178A/S153A/S123C

Main Menu > Prg. Edit > Select Heat Program > Detail setting

Parameter	value
1st Heat Temp IN	180
1st Heat Temp OUT	50
1st Heat Time	10
2nd Heat Temp IN	180
2nd Heat Temp OUT	60
2nd Heat Time	50
Cool Temp	110
Pre Heat Temp IN	0
Pre Heat Temp OUT	0
Pre Heat Time / Pre Heat Duration	0

### ➤ Arc Check (Arc Calibration)

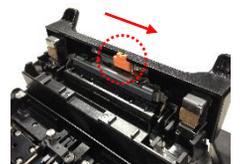
Set prepared fibers on Left and Right side

S179A/NJ001A/S178A/S153A/S123C

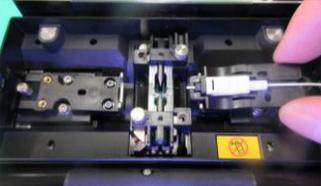
Main Menu > Arc Check

### ➤ Heater Lid Setup (S179A)

To assemble EZ!Fuse, shift the switch to the Right (OFF) position.



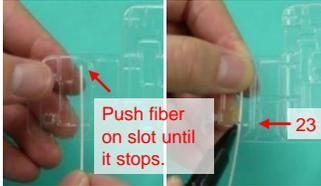
# 0.9 mm fiber SOC assembly procedure without EZT-01



1. Load ferrule housing into the ferrule holder. Push until it clicks. Load into the right hand side of the splicer.



2. Slide the boot assembly then the protection sleeve onto the fiber.



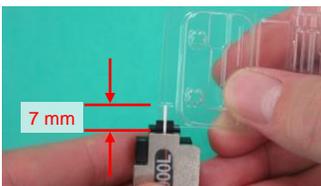
3. See Figure A. Mark at 23 mm. In case fiber is curved, mark on back side of the fiber.



4. Remove the primary and secondary coating of the fiber at 23 mm. Clean fiber with a cleaning wipes.



5. Load the fiber into the fiber holder.



6. See Figure B.



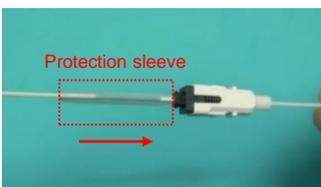
7. Cleave the fiber.



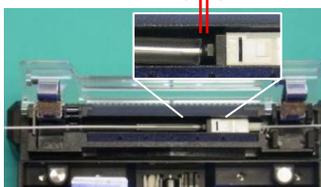
8. Load the fiber into the splicer. Splice the fibers.



9. Remove the fiber from the left holder and release the ferrule from its holder unit on the right.



10. Slide the protection sleeve towards the ferrule housing unit.



11. Put the ferrule housing unit into the heater to the right.



12. After heating, confirm shrinkage of the protection sleeve.



13. Slide the boot assembly towards the ferrule housing.



14. Align the slits at 90 degree then twist the stopper through 90 degrees until it clicks.



15. Push the grip (with the direction of the same inner shape) on the housing until it clicks.



16. Connector is complete.

Figure A: How to measure the marked position

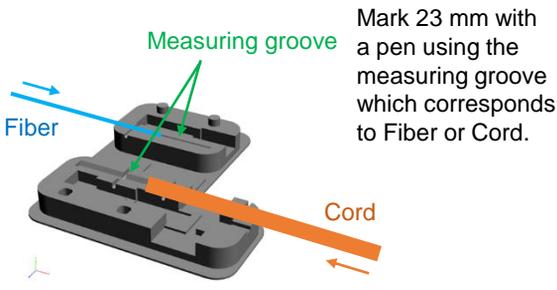
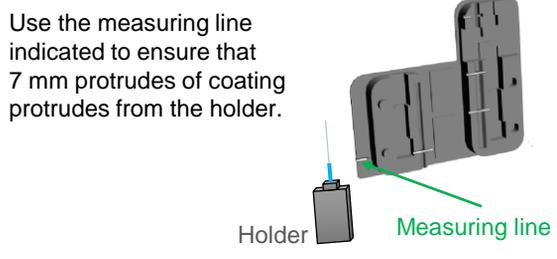


Figure B: How to check secondary coating length



**CAUTION**

1. Sufficiently confirm the applicability of the fiber and cord before installation.
2. Assembly capability and/or performance may be degraded depending on the fiber/cord design.
3. Ask your sales contact if you have any issues.

# 2 mm / 3 mm cord SOC assembly procedure

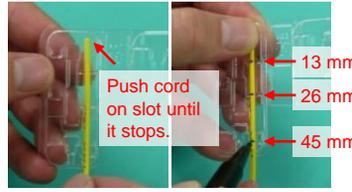
TKK17045C



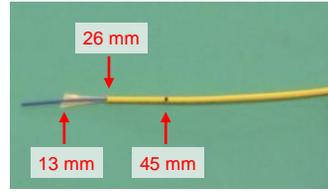
1. Load ferrule housing into the ferrule holder. Push until it clicks. Load into the right hand side of the splicer.



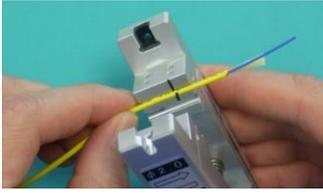
2. Slide the unit of stopper + boot assembly onto the cord.



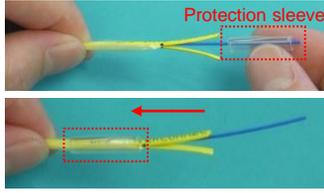
3. See Figure A. Mark at 13 mm, 26 mm and 45 mm. In case buffer cord is curved, mark on back side of curved cord.



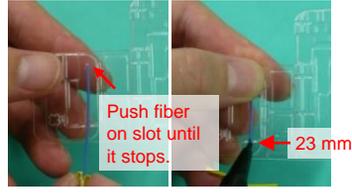
4. Remove the outer jacket and aramid yarn at 13 mm then the outer jacket at 26 mm.



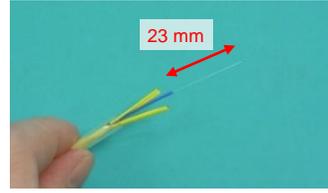
5. Split the outer jacket lengthways at 45 mm.



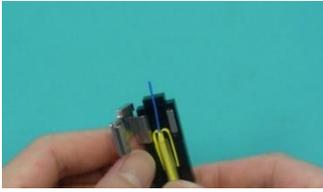
6. Fold back aramid yarn one half each side. Slide splice protection sleeve onto cord and aramid yarn.



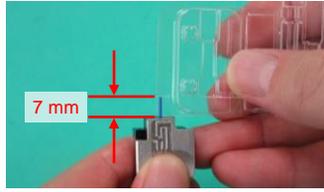
7. See Figure A. Mark at 23mm. In case fiber is curved, mark on back side of fiber.



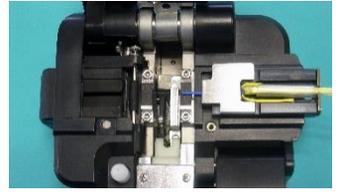
8. Remove the primary and secondary coating of the fiber at 23 mm. Clean fiber with a cleaning wipes.



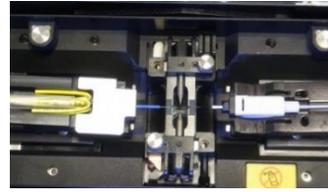
9. Fold back the outer jacket and load the cord into holder.



10. See Figure B.



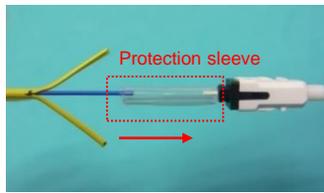
11. Cleave the fiber.



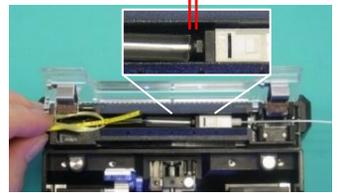
12. Load the fiber into the splicer. Splice the fibers.



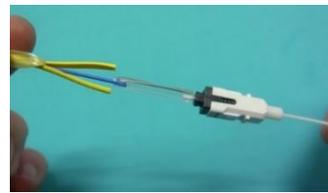
13. Remove the cord from the left holder and release the ferrule from its holder unit on the right.



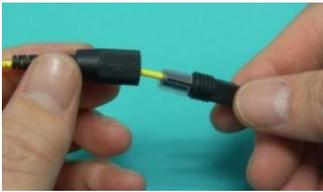
14. Slide the protection sleeve towards the ferrule housing unit.



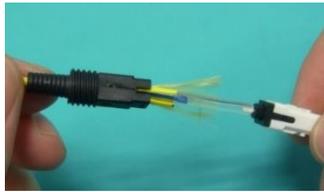
15. Fold back aramid yarn. Put the ferrule housing unit into the heater to the right.



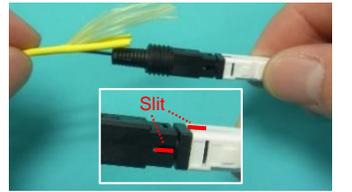
16. After heating, confirm shrinkage of the protection sleeve.



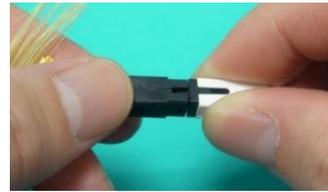
17. Unscrew nut of the boot assembly from the stopper.



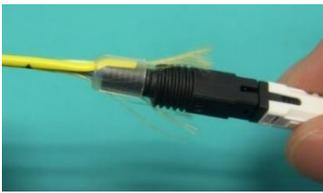
18. Put the aramid yarn tightly into the outer jacket then slide the stopper towards ferrule housing.



19. Align the slits at 90 degree then pull out the outer jacket and aramid yarn from tail of stopper.



20. Twist the stopper through 90 degrees until it clicks.



21. Spread aramid yarn over tail of stopper and hold aramid yarn and outer jacket by clamp.



22. Slide the boot assembly towards the stopper and screw the nut until stopping.



23. Push the grip (with the direction of the same inner shape) on the housing until it clicks.



24. Connector is complete.