

**FURUKAWA
ELECTRIC**

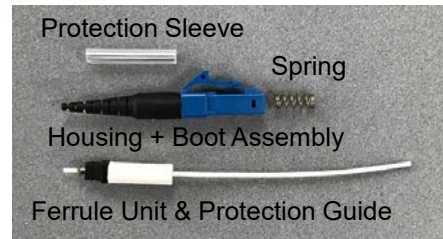
TKK19056

EZ!Fuse LC Splice on Connector assembly instruction

Materials

➤ **LC Splice on Connector for 900 μm fiber**

(1) Assembly kit



➤ **LC Splice on Connector for 2 mm cordage**

(1) Assembly kit



(2) Grip + Boot Assembly



➤ **Ferrule Holder**

S712C-SGL9C-R-P
Included with in every 10 pcs package



➤ **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

TKK19056

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



EZ-terminator

NJ001A

S179A

S178/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)

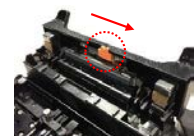
Set prepared fibers on Left and Right side

S179A/NJ001A/S178A/S153A/S123C

Main Menu > Arc Check

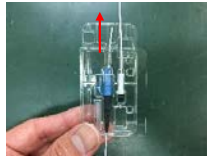
➤ Heater Lid Setup (S179A)

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

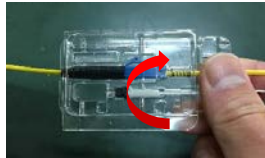


0.9 mm fiber LC SOC assembly procedure

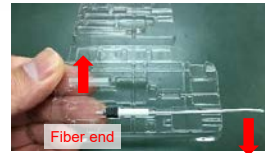
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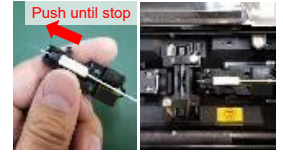
1. Insert the fiber through boot + housing assembly and spring.



2. Open the lid of tray with holding the protection guide and the fiber at the right side.



3. Pick up the ferrule unit with pushing protection guide down not to damage the cleaved fiber end.



4. Load ferrule unit into the ferrule holder. Load into the right hand side of the splicer.



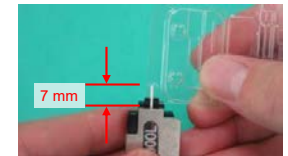
5. See Figure A. Mark at 23 mm. In case fiber is curved, mark on back side of fiber.



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



7. Load the fiber into the fiber holder.



8. See Figure B.



9. Cleave the fiber.



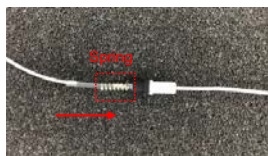
10. Load the fiber into the splicer. Splice the fibers.



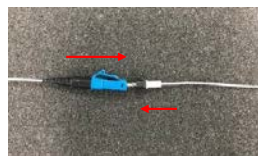
11. Remove the fiber from the left holder and release the ferrule unit from its holder on the right.



12. Put the ferrule unit into the heater to the right.



14. Make sure that the protection sleeve is appropriately shrunk. Slide the spring onto the shrunk protection sleeve.

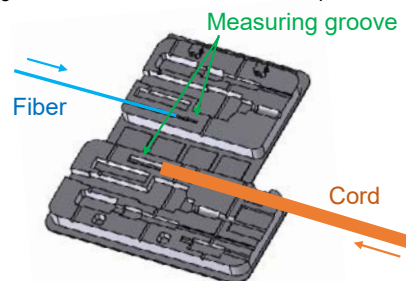


15. Slide the housing and click into the ferrule unit.



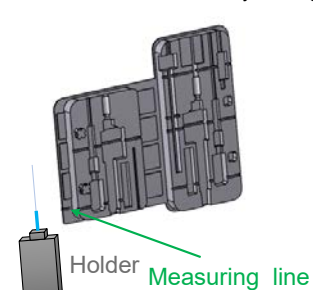
16. Connector is complete.

Figure A: How to measure the marked position



Mark 23 mm with a pen using the measuring groove. Note the groove is dependant on if you are connecting to Fiber or Cord.

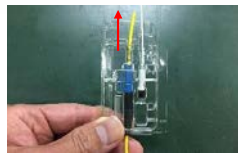
Figure B: How to check secondary coating length



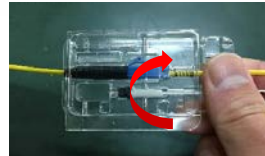
Use the measuring line indicated to ensure that 7 mm protrudes of the coating protrudes from the holder.

2 mm cord LC SOC assembly procedure

TKK19056



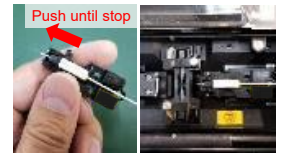
1. Insert the cord through boot + housing assembly and spring.



2. Open the lid of tray with holding the protection guide and the cord at the right side.



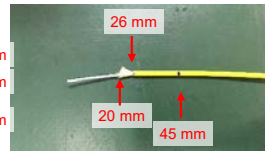
3. Pick up the ferrule unit with pushing protection guide down not to damage the cleaved fiber end.



4. Load ferrule unit into the ferrule holder. Load into the right hand side of the splicer.



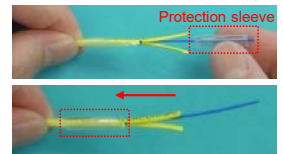
5. See Figure A. Mark at 20 mm, 26 mm and 45 mm. In case buffer cord is curved, mark on back side of curved cord.



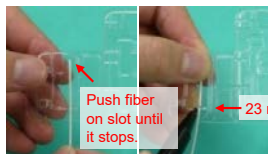
6. Remove the outer jacket and aramid yarn at 20 mm then the outer jacket at 26 mm.



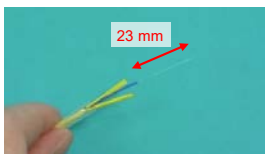
7. Split the outer jacket lengthways at 45 mm.



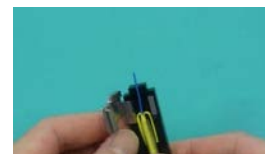
8. Fold back aramid yarn one half each side. Slide splice protection sleeve onto cord and aramid yarn.



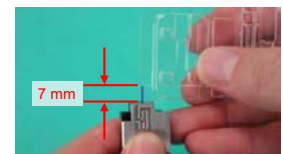
9. See Figure A. Mark at 23 mm. In case fiber is curved, mark on back side of fiber.



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



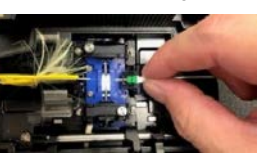
11. Fold back the outer jacket and load the cord into holder.



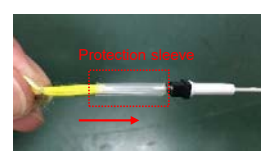
12. See Figure B. Then, cleave the fiber with the cleaver.



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



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



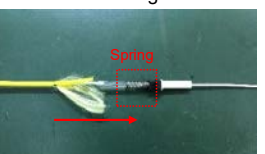
15. Slide the protection sleeve towards the ferrule unit.



16. Pull the outer jacket out of the protection sleeve.



17. Fold back aramid yarn and outer jacket. Put the ferrule unit into the heater to the right.



18. Make sure that the protection sleeve is appropriately shrunk. Slide the spring onto the shrunk protection sleeve.



19. Unscrew boot assembly from the housing.



20. Slide the housing and click into the ferrule unit. Pick aramid yarn and outer jacket out of the housing.



21. Pull the clamp out of the boot assembly.



22. Spread aramid yarn over tail of housing and hold aramid yarn and outer jacket by clamp.



23. Screw the boot assembly onto the housing.



24. Connector is complete.