

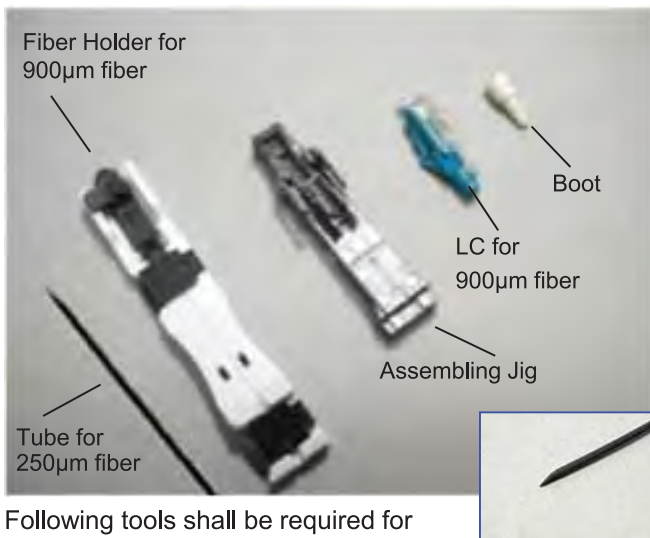
For your safety operation

This product has been designed and manufactured to assure personal safety. Improper operation can result in bodily injury and serious damage to this product. Please read and observe all warnings instructions given in this operation manual.

- ★ **Wear safety glasses** before handling optical fiber to protect the eyes. Small pieces of glass fiber are very sharp and might get into the eyes or under the skin and cause injury.
- ★ **Never look into** the end of a connector or an optical fiber which may have a laser coupled to it. Laser light may damage your eyes. Please note that laser light is not visible.
- ★ If working in high places, please be careful not to drop any tools. (Please use a wrist strap etc.)

Components Description

Connector (with wedge)
Boot, Tube,
Fiber holder for 250 μm fiber
Assembling Jig



Following tools shall be required for assembling the above parts,

1. Fiber Cleaver
2. Jacket Remover

Tube for 250μm fiber. One end is cut with angle.

⚠ Precautions

1. Improper assembly will result in a loss of performance. **Please read instructions** given in this operation manual.
2. The product is sensitive to dirt or dust. Do not take connector out of the package **until it is to be used**.
3. The performance will be influenced by the cleaved fiber surface condition. Please use a cleaver that has a good blade.
4. Please **insert the fiber into the connector slowly**. If the fiber is roughly inserted, it might be damaged or broken, leading to product failure. Broken fiber could be scattered in all directions.
5. Do not remove the dust cap **until the connector has been completely assembled**.
6. A proper amount of index matching gel is applied in the connector. Do not **insert fiber more than once**.

Assembly tools example

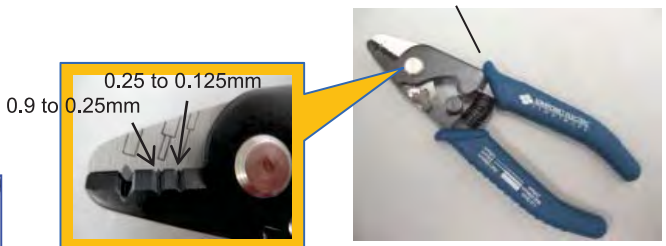
1 Fiber cleaver FC-7



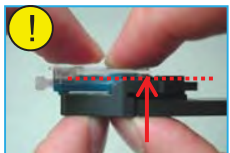
2 Jacket remover JR-25



2 Jacket remover JR-M03



【1】 Preparing connector

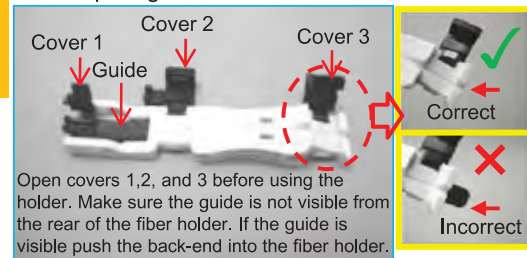


Be sure there is no space between the wedge and connector, if there is, push the wedge and connector together to realign.

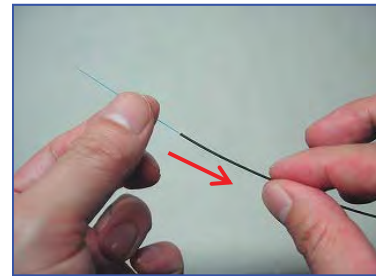
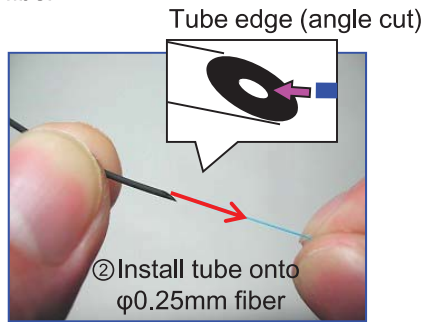
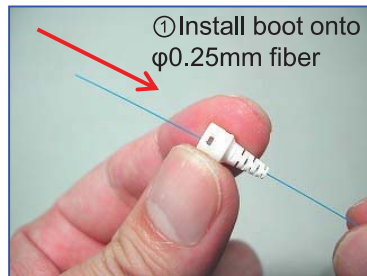
【2】 Setting connector



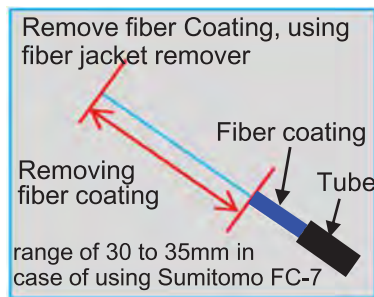
【3】 Preparing the fiber holder



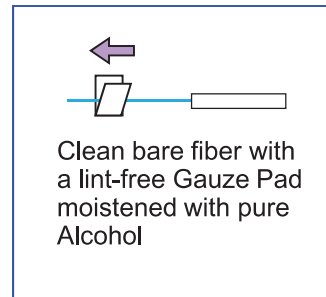
4 - Install boot and tube onto φ0.25mm fiber



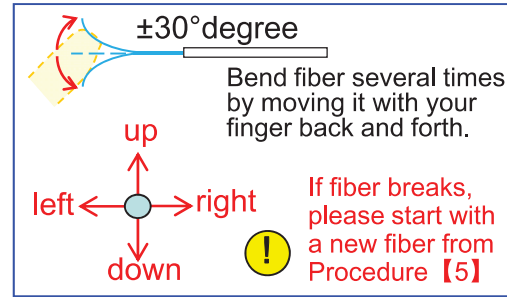
5 - Removing fiber coating



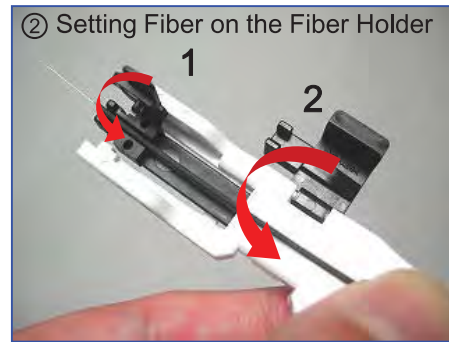
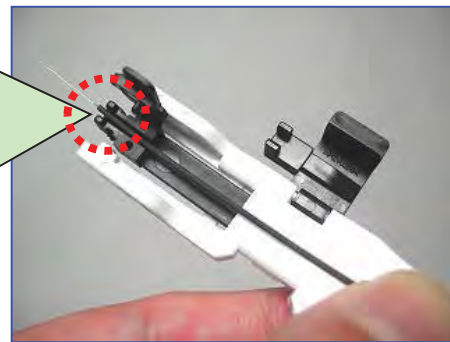
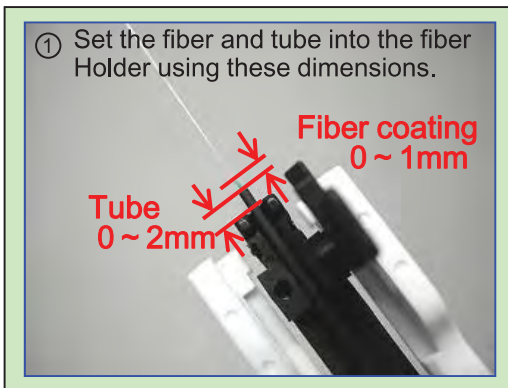
6 - Cleaning Bare Fiber



7 - Screening Fiber

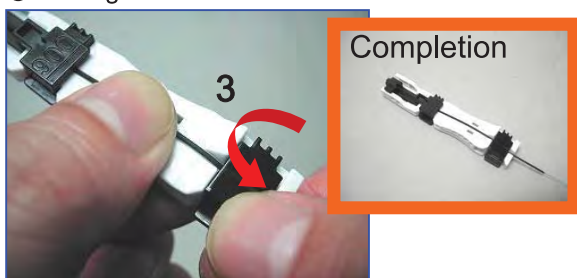


8 - Setting Fiber on the Fiber Holder



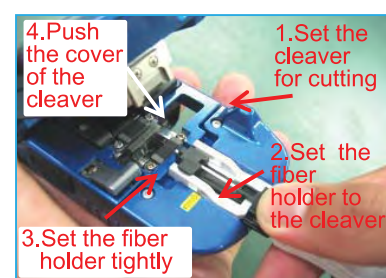
Fiber has to be fixed with finger and close it in order of the front cover and middle cover.

③ Setting Fiber on the Fiber Holder

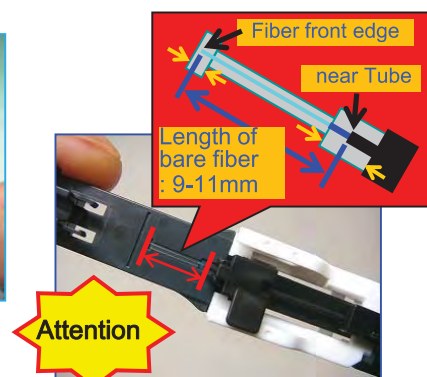


Set the fiber along the groove tightly before closing the back cover

9 - The fiber cleaver

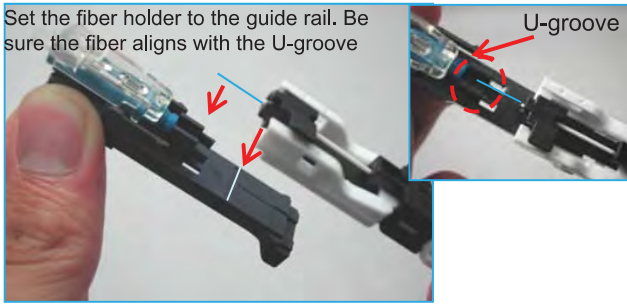


10 - Fiber length check



【11】 Inserting fiber

Set the fiber holder to the guide rail. Be sure the fiber aligns with the U-groove

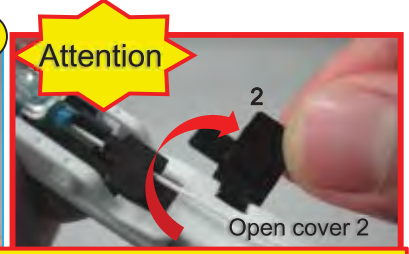


Be careful not to hit the edge of fiber



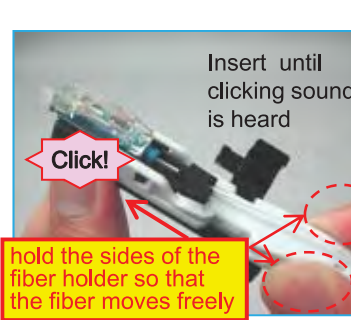
Slide the fiber holder slowly until it stops

Attention



Open cover 2

Not following this step will cause an air gap between fibers creating high insertion loss



Insert until clicking sound is heard

Click!

hold the sides of the fiber holder so that the fiber moves freely



Small amount of bending is normal

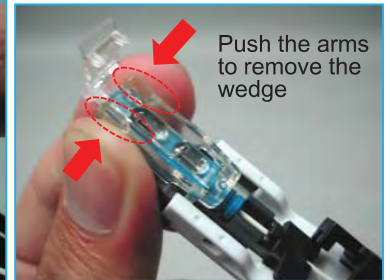
Not following this step correctly can cause damages to the fiber ends

【12】 Unlock the lever



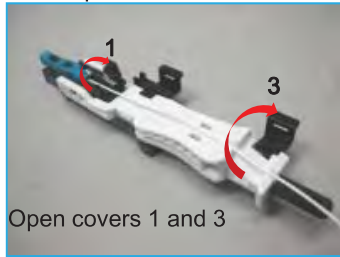
open lock lever

【13】 Remove the wedge



Push the arms to remove the wedge

【14】 Open the cover



Open covers 1 and 3

【15】 Remove connector

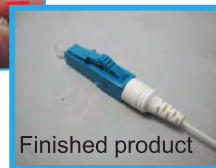


【16】 Fitting the boot

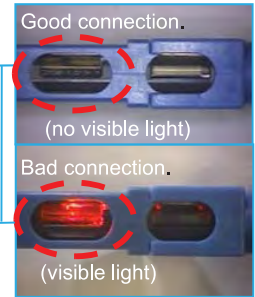


Click!

Use a visible light source to test connection



Finished product



Good connection.

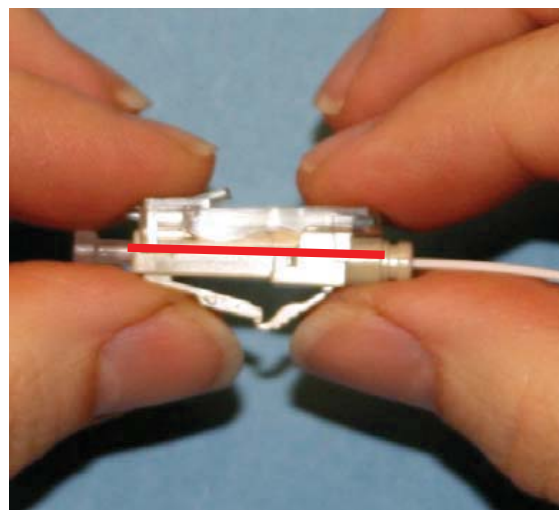
(no visible light)

Bad connection.

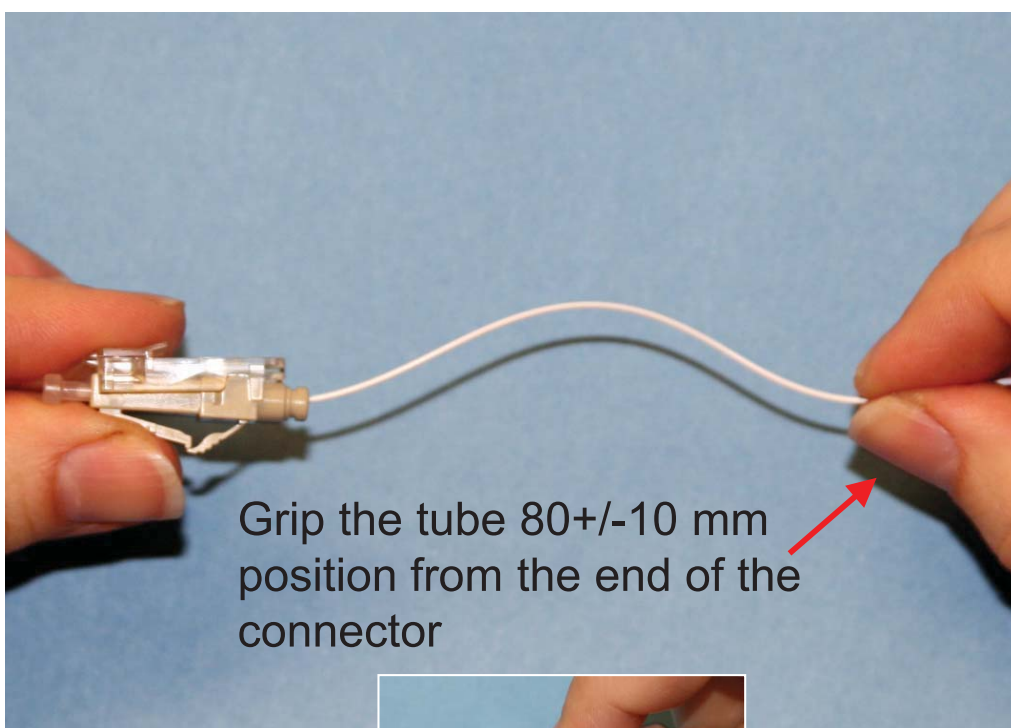
(visible light)

If the connector optical properties are insufficient to use, you can modify the connector properties by re-inserting the fiber and adjust the splice statement.

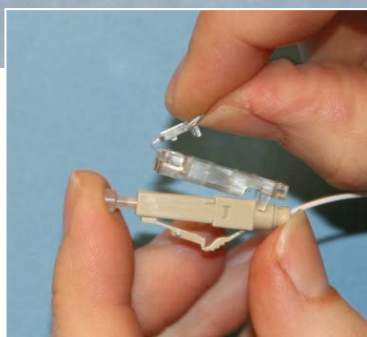
1 – Remove the boot and attach the wedge on a connector again (make sure there is no space between the wedge and the connector)



2 - Push the inserted fiber and create the bend again
DO NOT PULL FIBER OUT FROM THE CONNECTOR



3 - Remove the Wedge



Push the arm to remove the wedge

4 – Re-install the boot