legrand®	WWW.LEGRAND.US	INSTRUCTION SHEET, FIBER CONNECTOR, FIELD TERM, LC

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 work in high places, please be careful not to drip any tools. (Please use a wrist strap etc.)

⚠ Precautions

1.Improper assembly will result in 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 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.

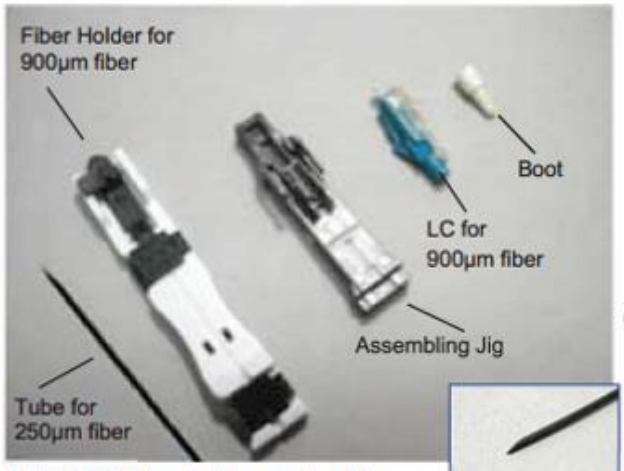
4. Please insert the fiber into the connector slowly. If the fiber is roughly inserted, it might be damaged or broken, leading to product failure. Broken fiber could be scattered in all directions.

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.

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.

Assembly tools example

1 Fiber cleaver FC-8R

2 Jacket remover JR-25

2 Jacket remover JR-M03

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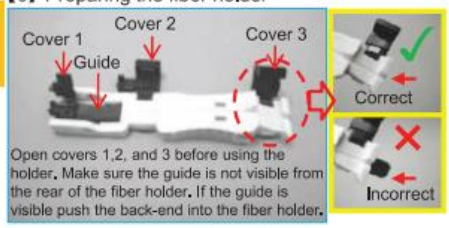
71601852	02	05840	1 OF 4	RJG	3/21/2014	AR	03/21/2014	RAM	3/21/2014

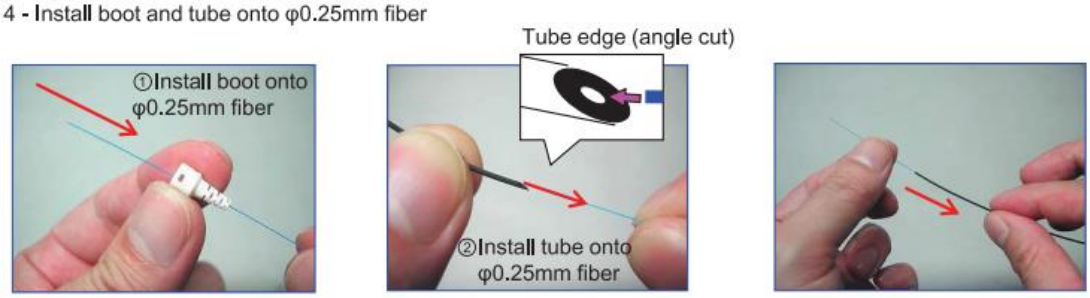
【1】 Preparing connector

【2】 Setting connector

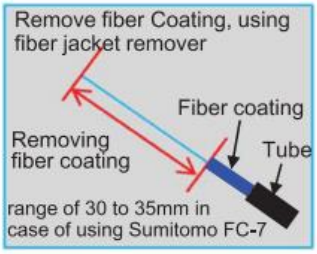
【3】 Preparing the fiber holder



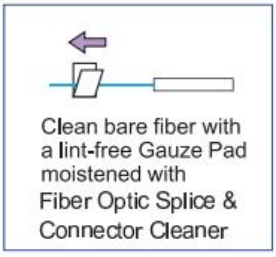
4 - Install boot and tube onto φ0.25mm fiber



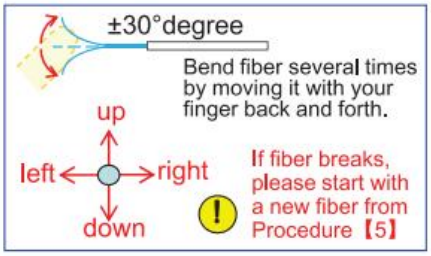
5 - Removing fiber coating



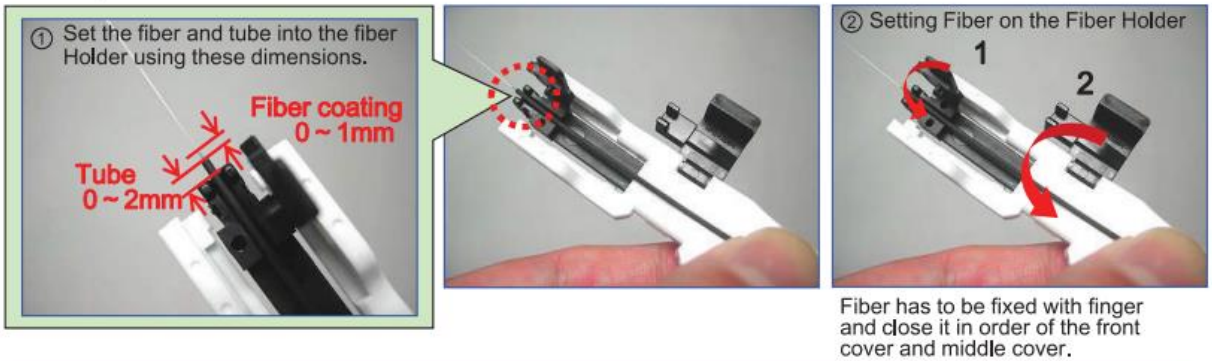
6 -Cleaning Bare Fiber



7 - Screening Fiber



8 - Setting Fiber on the Fiber Holder

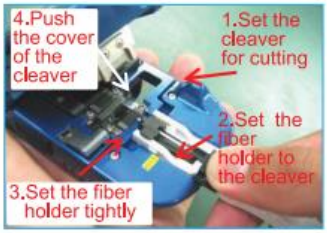


Fiber has to be fixed with finger and close it in order of the front cover and middle cover.

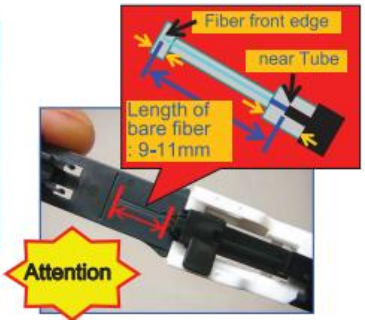
③ Setting Fiber on the Fiber Holder

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

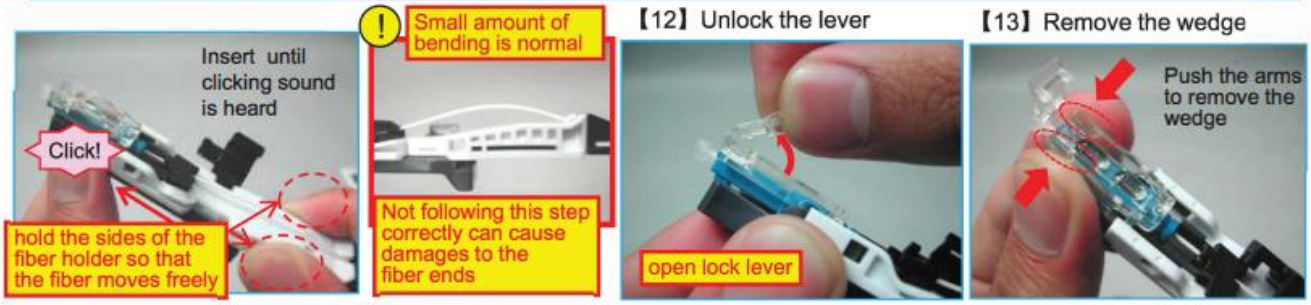
9 - The fiber cleaver

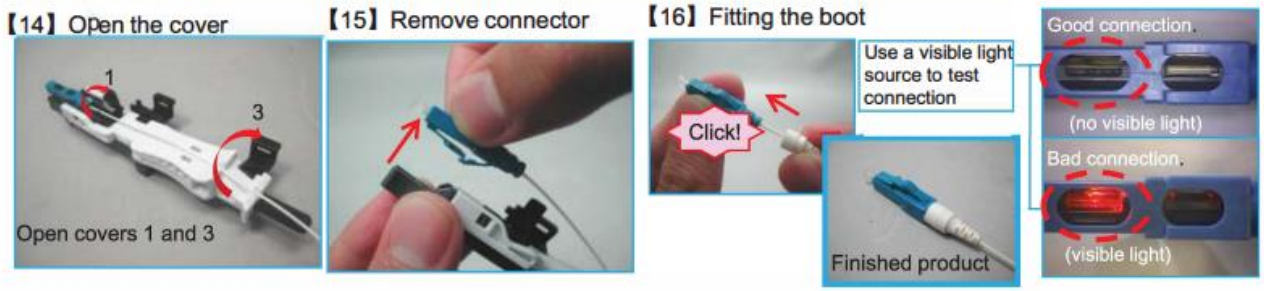


10 - Fiber length check



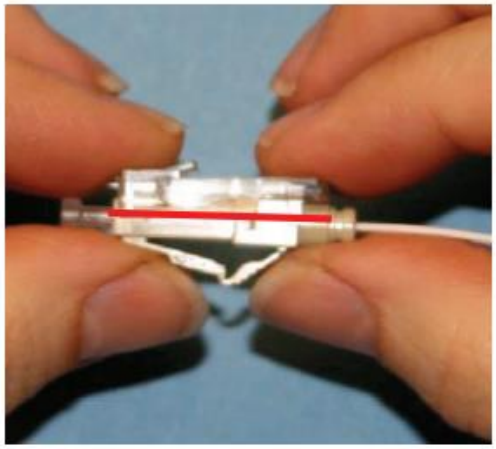
【11】Inserting fiber





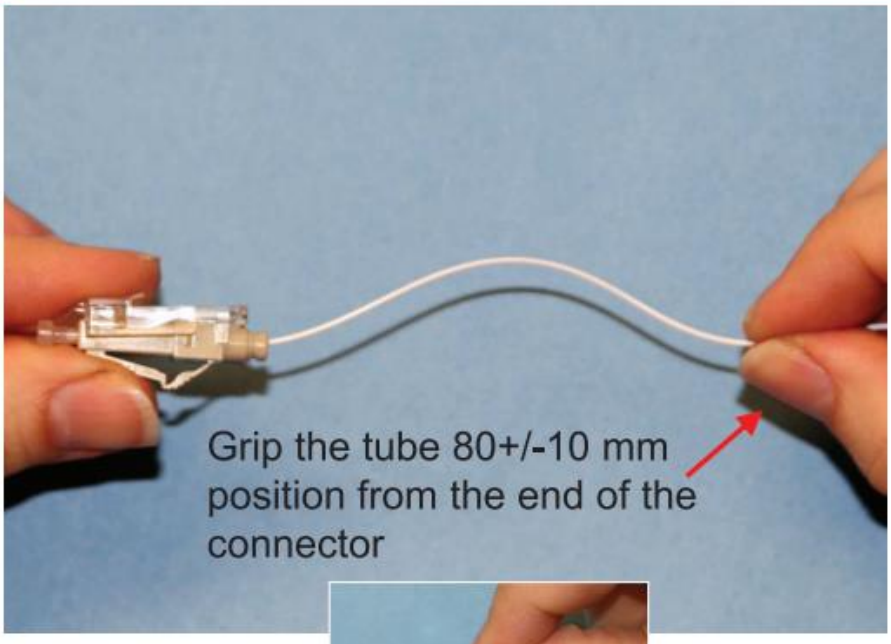
If the connector optical properties are insufficient to use, you can modify the connector properties by re-inserting the fiber and adjust the splice statement.

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