

Field-Installable Pre-Polished Optical Fiber Connectors

The following installation instructions are intended to be used when installing the following Signamax optical Connectors:

FPCxx-SCxx-02
FPCxx-LCxx-02

NOTES:

1. Optical fiber connectors shown in these instructions used for example purpose only; actual product maybe slightly different in dimensions and design detail.
2. Picture of tool used for example purpose only; actual tools may differ from those shown.
3. All illustrations are not to scale

1

Make sure you have all necessary tools for the job:

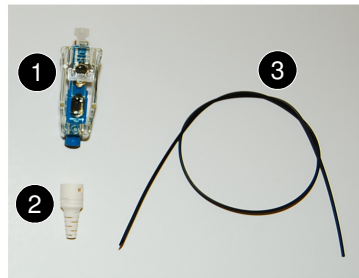
- Cable jacket stripping tool
- Optical fiber stripping tool
- Optical fiber cleaving tool
- Lint-free cloth wipes
- Optical fiber cleaning fluid
- Metric ruler and marker pen



WARNING:

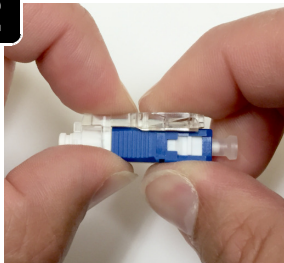
- Wear safety glasses before handling optical fiber to protect the eyes.
- Never look into the end of a connector or an optical fiber which may have a laser coupled to it.

Identify components of the connectors kits:



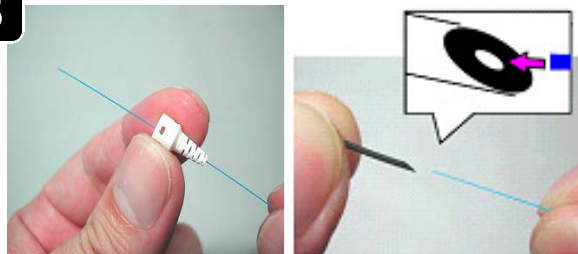
1: Fiber Connector 2: 900-µm Boot 3: 250-µm Tube

2



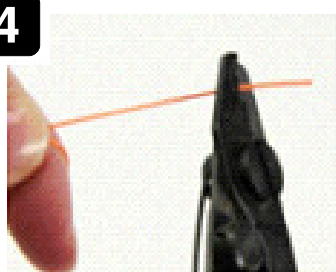
Be sure there is no space between the wedge and connector, if there is, push the wedge and connector together to realign.

3

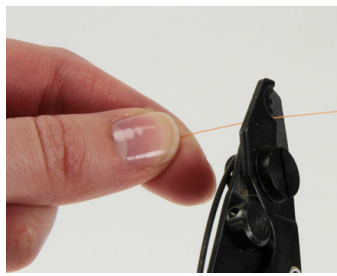


Place the 900-µm boot on the fiber cable, if applicable then slide 250-µm tube on the fiber. Angle cut first.

4

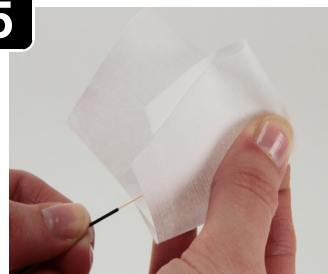


Strip 35 mm of 900- and 250-µm coating off.



Strip 35 mm of 250-µm coating off.

5



Clean the fiber with a lint-free wipe and fiber preparation fluid.

INSTALLATION INSTRUCTIONS

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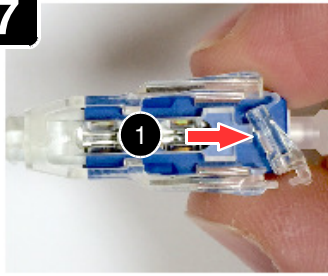
INSTALLATION INSTRUCTIONS

6



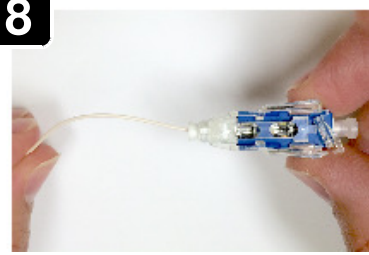
Set the fiber on the Cleaver and cleave the fiber to 10.5 mm.

7



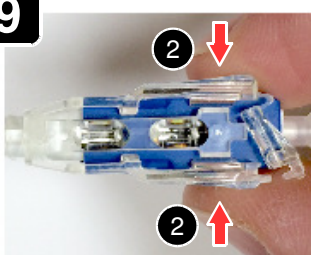
Unlock the lever **1** by push out, being careful not to press the side tabs

8



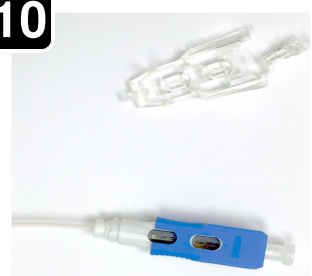
Insert the fiber into the connector. Create a slight bend in the connector to maintain connection.

9



Push the sides tabs **2** to release and remove the wedge.

10



Termination of the fiber connector is complete.

11



Verify good termination by using a visible light source.

Good Connection: No Light Bad Connection: Visible Light

12



Slide the boot onto the connector body.

! By re-inserting the wedge into the connector, fiber connector could be re-terminated.