Product Safety

CAUTION: Never view energized fiber ends with a microscope, or serious eye injury may result. Be sure that all fibers are de-activated prior to termination and microscope inspection.

CAUTION: Always wear safety glasses when terminating optical fibers.

CAUTION: Glass fiber debris from termination is hazardous material. Always collect and dispose of loose glass fiber debris in an approved container.

#1. Before termination, make sure that the wedge clip is fully seated and the locking tab is in the closed position, as shown in Fig 1. There should be no air gap between the clip and the PROclick connector.

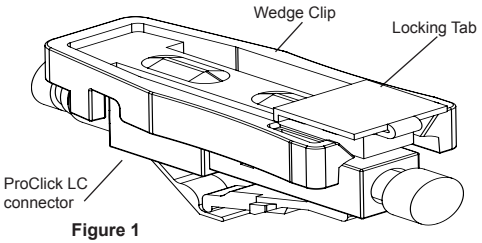

Figure 1

#2. If the wedge clip is not attached to the connector, line it up as shown and squeeze to click the wedge into place.

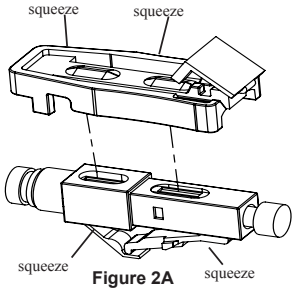

Figure 2A

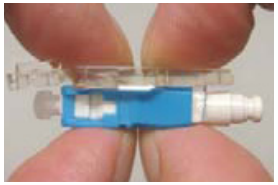

Figure 2B

#3. Install boot and mark the amount of coating or buffer to be removed at approximately 1.5 inches from the end of the fiber.
Using a strip tool, remove the coating or buffer in small increments to the specified length. (See Figure 3)

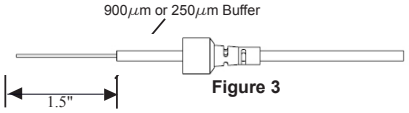

Figure 3

#4. Clean the exposed fiber with a wipe saturated in reagent grade alcohol. Bend fiber slightly to check for nicks. Fiber will break easily if nicked. (See Figure 4).

ATTENTION:
Use Hubbell OFCLV3 cleave tool only for multimode applications.
Singlemode applications require the use of a precision fiber cleaver, such as Hubbell's OFCLV5 cleave tool.

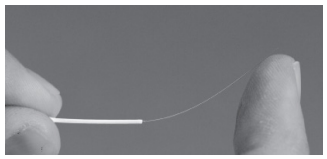

Figure 4

#5 Using the OFCLV5 Precision Cleave Tool, open the lever and insert the fiber into the 900 micron slot. (See figure 5a)

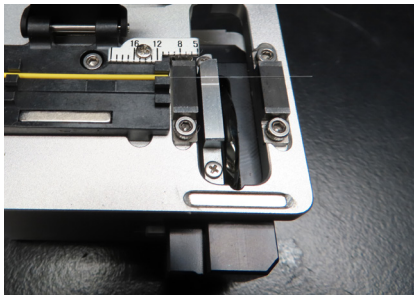

Figure 5a

#6. Close the lever and push the cleave actuator slide forward to cleave the fiber. Discard the loose fiber. Do not wipe the cleaved fiber. (See figure 5b)

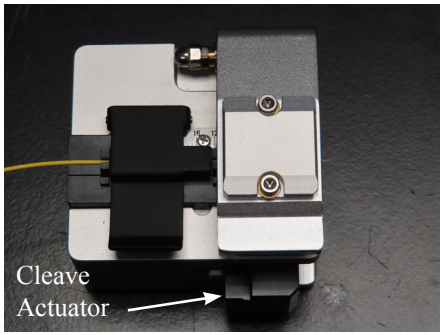

Figure 5b

#7. Using the OFCLV3 cleave tool depress clamp handle to open the cleave tool and insert the fiber into the fiber guide. Align the edge of the buffer to the 10mm mark on the fiber guide of the cleave tool. (See Figure 6)

OFCLV3 Cleave Tool (Multimode only)

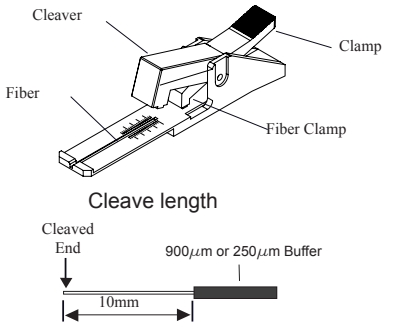

Figure 6

#8. Lower the fiber clamp onto the fiber. Apply light tension to the fiber and slowly depress the cleaver arm to score the fiber then release. Do not apply excess pressure; the cleaver blade only needs to touch the fiber lightly to score it.

#9. Apply tension to the fiber and gently bend the fiber guide downward to cleave the fiber at the score mark. Discard the loose fiber. Do not wipe the cleaved fiber. (See Figure 7)

Figure 7

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www.hubbell-premise.com

#10. For OSP fanout tubing, leave 1.5 inches of buffered fiber from the end of the tube. Strip the 250 um buffer to 1.0 mm from the edge of the fanout tubing. (see figure 8). NOTE: The buffer must protrude from the fanout tubing. Followsteps #5 and #6 for cleaning and cleaving.

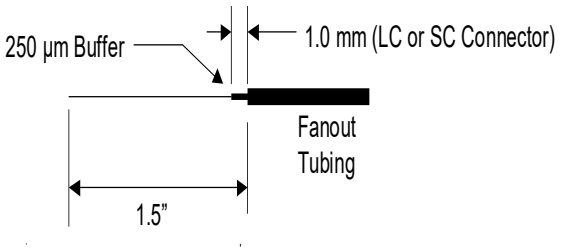

Figure 8

#11. Release the locking tab on the wedge clip
(See Figure 9A & 9B)

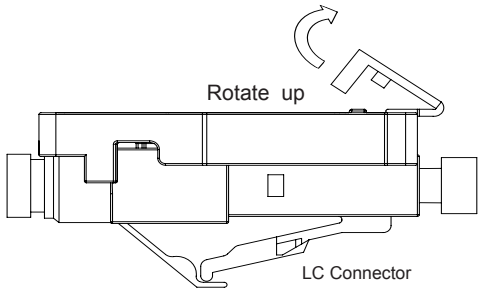

Figure 9A

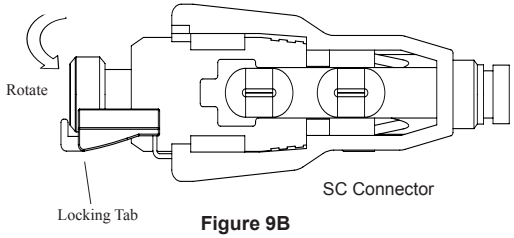

Figure 9B

#12. Grip the buffer approximately 60mm from the end and insert fiber slowly into the connector. Hold the connector gently and seat the fiber fully inside the internal splice. Form a slight bow to keep a light force on the fiber. (See Figure 10).

Figure 10

Caution:
Gripping the fiber too close or applying exessive force may cause the fiber to break, or result in damage to the glass fiber inside the connector, possibly resulting in transmission failure. It is the sole responsibility of the installer to excercise caution while seating the cleaved fiber into the connector.

#9A. For fanout tubing, place a suitable fiber clamp about 6-8 inches from the end before insertion. Do not allow fiber push-back during insertion. (See Figure10.)

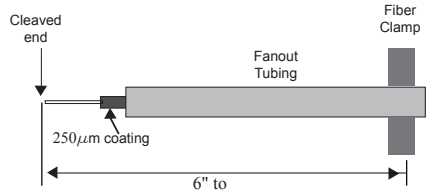

Figure 11

#10. Holding the connector with a slight bow in the fiber, squeeze the termination clip to release the wedges from the connector body. Remove the wedge clip.(See Figure 12)

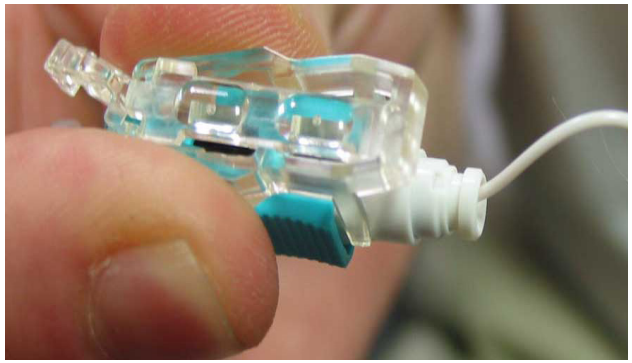

Figure 12

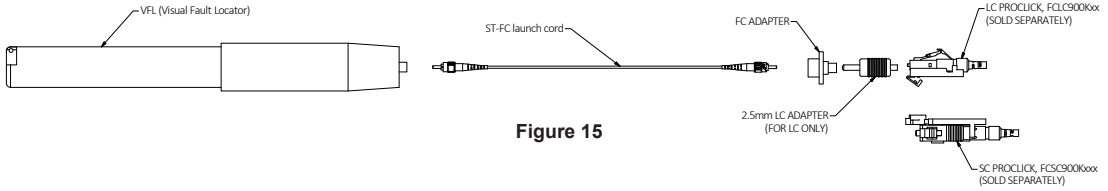

Figure 15

#11. Slide the strain relief boot over the back of the connector.
(See Figure 13)

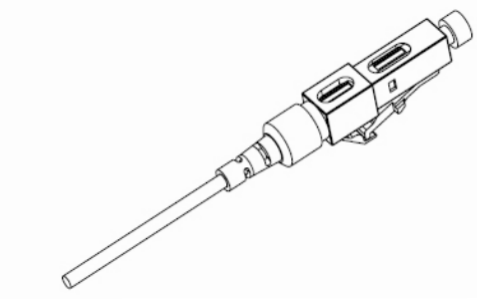

Figure 13

#12. Recommended:
Connect a VFL to check for excessive light from the front clamp slot.
(See Figure 14)

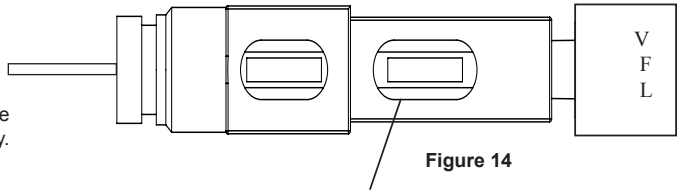

Figure 14

If excessive red light is visible, the termination is bad.

#16. For hands free operation, connect the ST end of the launch cord into the VFL, and thread the FC connector into the adapter supplied. The VFL can then be placed on a flat surface. (See Figure 15)

#17. For SC connector termination, plug the connector directly into the adaper and turn on the VFL for active light checking. For LC connector termination, use the 2.5mm to LC adapter supplied with the VFL or launch kit.

NOTE: Contact Hubell Technical Services for troubleshooting and diagnostc tips.

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