High Precision Fiber Optic Cleavers

The following operation instructions are intended to be used with the following Signamax products:

OFHPC-1

NOTES:
Pictures of the products shown in these instructions used for example purposes only; actual products may be different in dimensions and design details.

1. Make sure you have all necessary tools and accessories for that job:
   1. Cable cutting tool
   2. Cable jacket stripping tool (matching the cable’s jacket diameter)
   3. Optical fiber jacket stripping tool (0.25- or 0.9-mm)
   4. Optical fiber coating stripping tool
   5. Optical fiber cleaning swabs and wipes
   6. Isopropyl alcohol or other optical fiber cleaning agent
   7. Black adhesive tape
   8. Optical fiber debris collector
   9. Safety glasses

Signamax OFTTK-1 Optical Fiber Termination Tool Kit is recommended.

2. SAFETY RULES
   - There should be no food and beverages at the work area.
   - Wear safety glasses to protect the eyes from fiber debris.
   - Collect and dispose of fiber scraps and debris properly.
   - Do not touch your eyes while working with fiber.
   - Never look directly into the end of fiber cables if not sure there is no active source at the other end.
   - Properly clean the work area when you are done.

3. Open the cleaver’s clamp lever 1 to its uppermost position. Open the fiber holder’s cover 2.

Using cleaning cotton swabs wetted with isopropyl alcohol or other optical fiber cleaning agent clean the surfaces of the blade 3, anvil 4, and clamp pads 5. Additionally, the fiber holder grooves are recommended to be cleaned.

4. Strip back the required amount of the cable jacket and at least 20 mm (0.8 in) of the fiber jacket and coating.

Clean the fiber with a cleaning wipe wetted with isopropyl alcohol or other optical fiber cleaning agent.

Place the fiber into one of the grooves 1 in the fiber holder. The larger groove is for 0.9-mm coatings, the smaller one is for 0.25-mm coatings.
5. Adjust the required cleave length 1 using the built-in ruler 2 by aligning the edge of the fiber buffer jacket with one of the ruler’s length markings. Close the fiber holder’s cover 3.

6. Make sure the blade carriage is in its forward position (slid out completely) 1.

Close the clamp lever pushing it down 2 until you hear a distinctive clicking sound when the magnetic lock engages.

7. Start pushing the blade carriage toward the blade until it automatically snaps into its locked position. The fiber will be cleaved.

8. Open the clamp lever 1.
Open the cover of the fiber holder 2.
Remove the cleaved fiber.

Do not clean fiber after it has been cleaved, terminate or splice immediately.

Using a piece of the adhesive tape collect and properly discard fiber debris and splinters.

After all cleaving is done, clean the cleaver as described in step 3.