High Precision Fiber Optic Cleaver

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

OFHPC-2

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

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. Secondary fiber coating stripping tool (0.25 or 0.9 mm)
   4. Primary fiber coating stripping tool (0.125 mm)
   5. Optical fiber cleaning swabs and wipes
   6. Isopropyl alcohol or other optical fiber cleaning agent
   7. Safety glasses

Signamax OPTTK-2 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 3.

   Using cleaning cotton swabs wetted with isopropyl alcohol or other optical fiber cleaning agent clean surfaces of the blade 3, anvil 4, clamp pads 5, and fiber scrap collector’s rolls 6.

   Additionally, the fiber holder grooves 7 are recommended to be cleaned.

4. Strip back the required amount of the cable jacket and at least 30 mm (1-1/4 in) of the fiber buffer 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. Make sure fiber’s end extends over the fiber scrap collector’s rolls 2 and into the collector’s chamber.

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).

Close the clamp lever 2 pushing it down 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 and the fiber end will be automatically fed into the fiber scrap collector’s container.

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.

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

9. DISCARDING FIBER SCRAPS

The fiber scrap collector’s container is fixed in its place on the clever by means of an integrated magnetic lock.

In order to remove the container, pull it out. Empty the container and discard the fiber scraps using methods and materials meeting safety standards.

Return the container to its place in the clever by placing it under the collector’s chamber and pushing it slightly until the magnetic lock engages and the container snaps in place with a distinctive clicking sound.