

# WIREFATH

## FIBER

### WP-TOOLKIT-FIBER-PRO Quick Start Guide

Thank you for purchasing the Wirepath SSF™ Professional Termination Tool Kit. This set includes everything needed to terminate Wirepath SSF and also many other brands of fiber optic connectors. See the instructions included with your connectors for more information.

#### What's Included

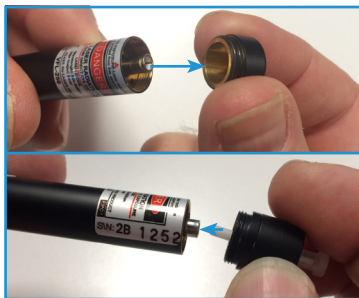
- |                         |                      |
|-------------------------|----------------------|
| A. Radial Jacket Cutter | G. VFL Tool          |
| B. Cable Strippers      | H. Alcohol Dispenser |
| C. Diagonal Cutters     | I. Disposal Unit     |
| D. Permanent Marker     | J. Cleaning Cube     |
| E. Cable Scissors       | K. Safety Glasses    |
| F. Measuring Tool       | L. Fiber Cleaver     |



#### Using the Visual Fault Locator Tool

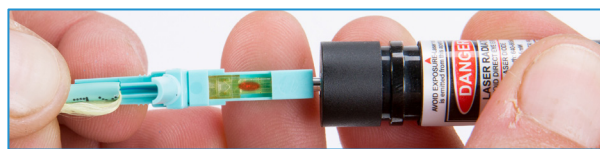
When terminating Wirepath SSF connectors, use the VFL tool to verify that the fiber end is correctly seated inside the connector as shown below.

Note: The connector opening is protected by a threaded brass end cap that must be unscrewed before use. Slide SC type connectors directly into the opening. Use the VFL LC Adaptor to connector LC connectors (included in VFL zip-up case). Do not lose the adaptor!



LC Adaptor slides into VFL opening

Bright light in the activator slide tab indicates fiber is not present or not correctly aligned in the connector.



Light dims in the activator slide tab once the fiber is correctly aligned inside the connector. The opposite end of the cable should illuminate bright red.

The tool may also be used to spot check cables and terminations for damage. On a good run, the laser will shine through the connector at the opposite end of the attached cable.

Bad terminations are easily verified by a bright light in the slide indicator as shown below. Breaks in the cable will cause the jacket to illuminate red in low light at the location of the break.

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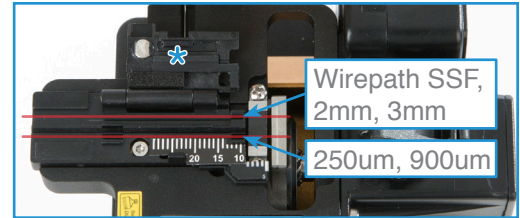
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### Using the Cleaver with Wirepath SSF™ Fiber Cable

**Q: Which slot do I position the fiber in for cleaving?**

**A:** To cleave Wirepath brand fiber (3mm diameter with soft peel coating) or 2mm fiber, use the rear slot. For 250 and 900um fibers, use either the front or rear slot, whichever one gives the cleanest cut.

Note: Positioning the fiber perpendicular (90°) to the cleaver wheel is very important for obtaining quality cleaves/end faces. Use the flip-down holder (★) to help ensure the fiber is held in place during cleaving.



**Q: How do I prep the fiber?**

**A:** Always begin a termination with about 2 inches of coated fiber exposed at the end of the cable to ensure the best possible cleave. A certain amount of colored soft peel coating must be left between the cable jacket and the end of the fiber. See connector instructions for dimensions.

Use your fingernails to remove the coating, then run your fingers on all sides of the glass to ensure complete removal. Or, if desired, use a fiber wipe (not necessary because the optical glass is coated/protected).

Never attempt to cleave the fiber with the colored soft peel coating still on the glass because it will dirty the cleaving wheel. If this occurs, clean the wheel using a cotton swab soaked in alcohol.



**Q: The tool will not cleave the fiber correctly – what is the solution?**

**A:** After positioning the fiber, close the flip-down holder (★), then close the cleaver lid. Then, use your thumb to quickly push the cleaver slide lever (◆). Sometimes pushing too slowly will cause the fiber to not cleave. You are not trying to “snap it”, just a steady push. With just a bit of practice the fiber should successfully cleave.

Also, make sure you are closing the “lid/handle” of the cleaver completely so that the magnet holds it shut. The fiber also needs to extend out the right side into the trash collector so that once cleaved, the waste glass can be caught in the collector.

If you continue having issues, see the cleaver wheel adjustment instructions, also included with the kit.

