Fiber Termination Supplies(Fast Connectors)

Tang Pin offers a variety of tools, kits, and supplies for terminating an optical fiber with connectors, ferrules. Adapters for terminated fibers that can be attached to the end of a terminated fiber are also available.





Temporary Connectors

- Reusable Terminator for Single Mode and Multimode Fiber
- FC/PC, FC/APC, ST/PC, or LC/PC Compatible Connectors
- Terminator Accepts Bare Fiber up to Ø1400 µm

Features

- Use for the Temporary Termination of Single Mode or Multimode Optical Fiber
- Bare Fiber Terminator Holds Fiber and Connector without Epoxy
- Terminator Accepts Fiber Jacket Diameters from Ø125 µm to Ø1400 µm
- Compatible Only with the Fiber Connectors Sold Below
    - Single Mode Connectors with FC/PC, FC/APC, ST/PC, or LC/PC Terminations
    - Multimode Connectors with SMA
    - FC/PC, or ST/PC Terminations
- Rubber Grip Reduces Clamping Stress on Polarization-Maintaining Fiber, Minimizing Cross Coupling
- Fiber Stops for Aligning Fiber Tip within SMA and FC/PC Connectors Available
- Contact Tech Support for Custom Connectors with Different Bore Diameters

Single Mode/Polarization-Maintaining Fiber Connectors



Style	Bore	Concentricity
FC/PC	Ø126 +1/-0 µm[b]	1 µm
Adjustable FC/PC for PM Fiber	Ø125.5 +1/-0 µm	<1 µm
FC/APC	Ø126 +1/-0 µm	1 µm
ST/PC	Ø125 +1/-0 µm	1 µm
LC/PC	Ø126 +1/-0 µm	1 µm

These single mode connectors are used to temporarily terminate a single mode bare fiber.

- Single Mode Connectors for the BFT1 Bare Fiber Terminator
- FC/PC, FC/APC, ST®/PC, or LC/PC Connectors Available
- FC/PC Connector with Adjustable Key for Polarization-Maintaining Fiber
- Ø2.5 mm Ceramic Ferrules
- Engraved with Part Number for Easy Identification

Multimode Fiber Connectors: FC/PC



- Multimode Connectors for the BFT1 Bare Fiber Terminator
- FC/PC-Terminated Connectors
- Bore Diameters from Ø127 µm to Ø1050 µm
- Ø2.5 mm Ceramic or Stainless Steel Ferrules
- Engraved with Part Number for Easy Identification

Bare Fiber Terminator and Fiber Stops



Tang Pin's Bare Fiber Terminator and compatible connectors are used to temporarily terminate a bare fiber with common fiber connector styles. The reusable Bare Fiber Terminator is equipped with a magnet and alignment key to quickly attach and align the compatible connectors sold below; these connectors can be locked into place with a 0.50" (1.3 mm) hex key. Bare fiber, with jackets from Ø125 µm to Ø1400 µm, is secured on the other end of the Bare Fiber Terminator using a spring-loaded clamp with rubber grips to minimize stress on the fiber. The reduced clamping stress on the fiber makes the Bare Fiber Terminator ideal for use with polarization-maintaining fiber where environmental stresses can induce cross coupling. Reusable connectors for terminating single mode or multimode fibers are sold here and can be easily interchanged when used with the Bare Fiber Terminator. SMA and FC/PC-terminated fiber stops, which are used to help align the stripped fiber end to the ferrule tip, can be purchased separately below.

The Bare Fiber Terminator only accepts the connectors sold on this page; these connectors feature a Ø0.22" (Ø5.5 mm) sleeve that is magnetically secured within the Bare Fiber Terminator. The bare fiber adapter is reusable and can be easily cleaned out if the fiber breaks inside the connector by using clean out wires (sold separately below). As seen in the image above, instructions on how to terminate fibers are engraved on the bottom of the Bare Fiber Terminator for easy reference. We recommend attaching the desired connector and then feeding the stripped fiber through the connector. At this point, cleave the fiber using a fiber scribe and then pull the tip back so that it is flush with the ferrule end.

As the Bare Fiber Terminator is designed for temporary termination applications, sub-optimal centration or alignment can occur due to fiber movement within the connector. Tang Pin offers both single mode and

multimode connectors for permanent or highly stable termination applications. Our fiber patch cables are sold with connectors on both ends and a protective jacket.