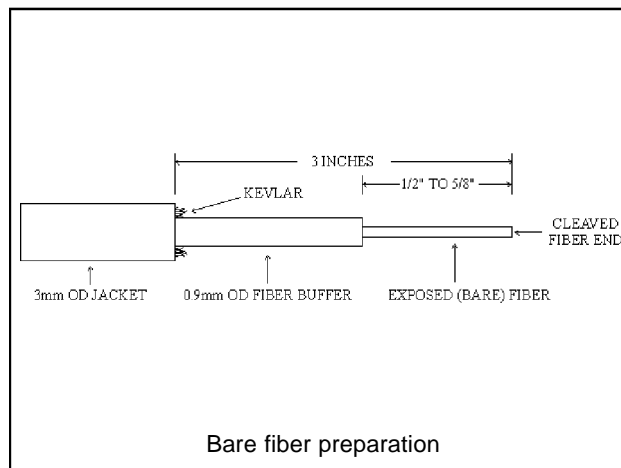




## BARE FIBER ADAPTER



Bare fiber adapters provide a simple and effective way to use unterminated fibers with commercial receptacles. Simply strip and cleave your fiber and insert into the bare fiber adapter. Broken fibers are easily removed with piano wire, allowing hundreds of insertions. They are recommended for power meter hook-ups, temporary system repairs or wherever a quick fiber connection is required. Standard adapters accommodate 81 micron, 125 micron or 140 micron cladding fibers with a typical insertion loss of less than 1dB.

### OPERATING INSTRUCTIONS

**Note: When using alcohol and acetone, carefully follow all safety, health and disposal information given on the container label, and on any material safety data sheets.**

1. If you are using the bare fiber adapter with uncabled fiber, proceed to step 2. If you are using cabled fibers, strip at least 3 inches of the cable's outer jacket and cut away the exposed strength members (usually Kevlar fibers near the stripped edge).

2. Strip a sufficient amount of the buffer to allow for fiber cleaving. The length of buffer stripped from the fiber will depend on the type of cleaving tool used. (Usually 1" to 2" is adequate.)
3. Cleave the fiber, leaving approximately 1/2" to 5/8" of exposed fiber. (See the illustration above).
4. Clean the exposed cladding with acetone and/or isopropyl alcohol (reagent grade).
5. Depress the spring-loaded buffer clamping mechanism and insert the cleaved fiber into the acceptance hole. Push the fiber through until the cleaved fiber end is flush with the ceramic ferrule end face. At this point release the buffer clamping mechanism, to hold the fiber in place. Inspect the end face with an eye loop and if necessary, adjust the fiber until it is flush.
6. Clean the surface of the ceramic ferrule with a lint-free, alcohol dampened cloth and blow dry with compressed air.
7. The fiber is now ready for use. Insert the adapter into the optical test equipment's coupler.

### ORDERING INFORMATION:

#### Part Number    Description

**BARE-03-*b***    Bare fiber adapter for FC connectors.

**BARE-08-*b***    Bare fiber adapter for ST connectors

Where: *b* is the ferrule hole size, in microns Standard sizes are 81 microns, 127 microns and 144 microns. Hole size tolerance is +1/-0 microns

Contact OZ Optics for bare fiber adapters for other adapter types, and other hole diameters.

**ORDERING EXAMPLE:** An FC style bare fiber adapter is needed for use with 127 micron cladded fibers. OZ Optics part number: **BARE-03-127**.