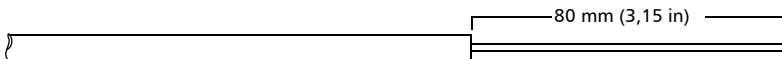


# EXFO BFA-3000 Universal Bare Fiber Adapter Instruction Sheet

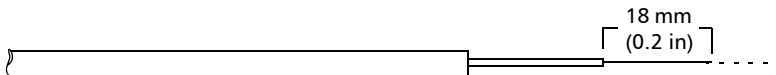
Bare fiber adapters (BFA) connect single-core, single-mode or multimode bare fibers to optical power meter detector ports in a secure manner.

## **To connect a fiber with the BFA-3000:**

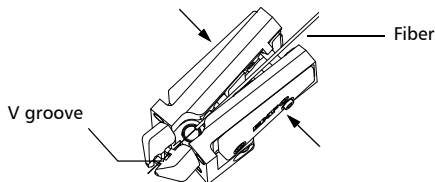
1. Remove 80 mm (3.15 in) of outer cable jacket and kevlar material.



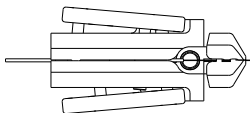
2. Strip 30 mm (1.18 in) of buffer, then clean the fiber with alcohol or acetone.



3. Cleave the fiber. Leaving 18 mm (0.2 in) of bare fiber will ensure an optimal fit in the BFA-3000.
4. Squeeze open the BFA-3000 by applying pressure with your thumb and index finger.
5. Place the fiber inside the opening, leaving a small length of fiber out. The fiber must be inserted into the V groove at the front of the BFA-3000.



6. Release the sides of the BFA, allowing it to tighten around the fiber.



7. Squeeze the BFA-3000 slightly and pull back slowly on the fiber until its end is flush with the BFA-3000's tip, with a maximum protrusion of 0.5 mm (0.02 in). Use a magnifying lens to help you.

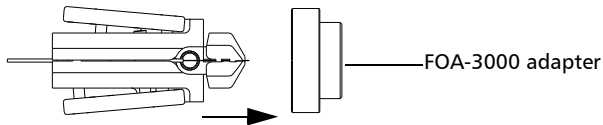
**Note:** *If the fiber protrudes too far, you may damage the cleave. If it is not far enough, you may obtain poor coupling and/or significant power loss.*



## CAUTION

Excessive protrusion **WILL** cause damage to the detector window, and cause permanent damage to the optical power meter.

8. Screw an FOA-3000 adapter into the channel port to use, then insert the BFA into it. Magnets on the BFA-3000 will help to secure the connection.



**Technical Support Group**  
400 Godin Avenue  
Québec (Quebec) G1M 2K2  
CANADA

1 866 683-0155 (USA and Canada)  
Tel.: 1 418 683-5498  
Fax: 1 418 683-9224  
support@exfo.com