

3M™ Easy Cleaver

Safety Precautions

Protective Eyewear

⚠ CAUTION

Safety glasses should be worn when handling chemicals and cleaving the optical fiber.

Chemical Precautions

⚠ WARNING

Storage, use and disposal of isopropyl alcohol and methanol/water solution should be per your company health, safety and environmental instructions. Refer to safety data sheet for health hazards, safe handling, proper use and control measures.

Bare Fiber Handling

⚠ CAUTION

Cleaved glass fibers are sharp and can pierce the skin. Use tweezers when handling shards and dispose of them properly per your company health and safety instructions.

Fiber/Cable Handling

⚠ NOTICE

Optical fiber can be damaged by excessive tensile, compressive and bending forces. Consult the manufactures' specifications for proper handling instructions.

Laser Safety

⚠ CAUTION

Take the proper precautions when working with optical fiber because invisible laser light may be present. The principal laser hazard when working with fiber optics is injury to the eye. Never look directly into the end of a fiber or connector using the naked eye, a view scope, or a microscope when connected to a laser source.

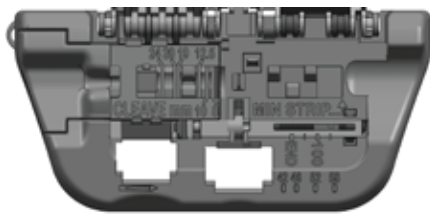
1.0 Fiber Preparation

Table 1

Product	Cleave Length	Fiber Strip Length
3M™ No Polish Connectors	8	42
3M Fibrlok™ II Connectors	12.5	46
3M Crimplok™+ 250 μm Connectors	19	52
3M Crimplok™+ 900 μm Connectors	24	58

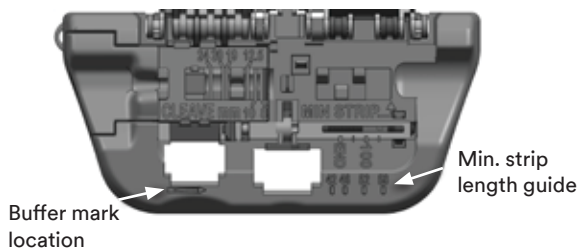
Note: For jacketed/drop cable, remove 70-75 mm of jacket and follow 3M connector instructions for buffer and cleave lengths.

- 1.1 Open Buffer Clamp #1 and Hinged Lid #2 and ensure the cleaver is free of debris. Periodically clean rubber clamp surfaces with a lint free wipe and alcohol.



Note: Do not disturb diamond wire's pre-set position.

- 1.2 Place the fiber on strip length guide as shown with the fiber end at the corresponding strip length needed for product per Table 1. Mark buffer at arrow mark on cleaver, as indicated by arrow in photo.



Note: Fiber may be stripped to a longer length.

- 1.3 Strip fiber to the mark that was made on buffer.



Note: The strip tool should be clean and in good operating order to prevent damage to the glass cladding.

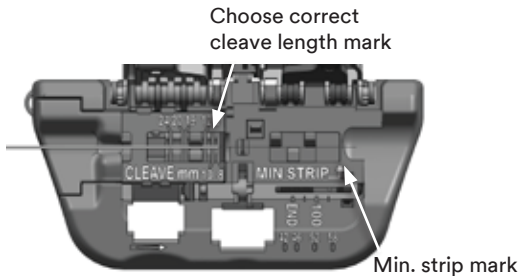
- 1.4 Clean the bare glass by pulling the fiber through an alcohol-moistened, lint-free wipe. This will remove all acrylate particles and debris remaining on the fiber.



Note: Use clean areas of the lint-free wipe; try not to wipe fibers more than two times. Limit stripped fiber exposure to the atmosphere to one hour or less.

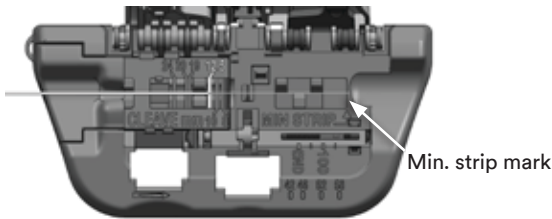
Note: Carefully follow health, safety and environmental information on container label or Safety Data Sheet for isopropyl alcohol being used.

1.5 Minimize the fiber bow and place fiber in cleaver with any remaining bow oriented downward as shown in photo. Place the stripped fiber between three posts on ramp section of the shard clamp.



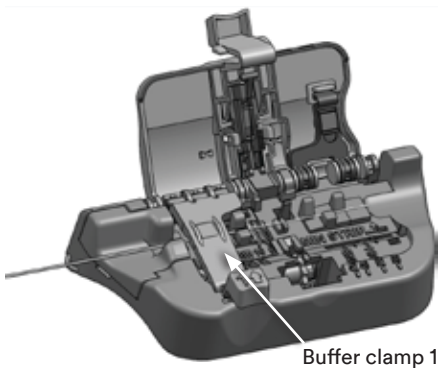
Position the buffer end at the correct cleave length mark for the splice/connector being terminated per Table 1.

Verify that the stripped fiber end extends to or beyond the minimum strip mark at the right edge of the fiber shard clamp. Ensure the fiber is touching or nearly touching the plastic surface of the shard clamp.

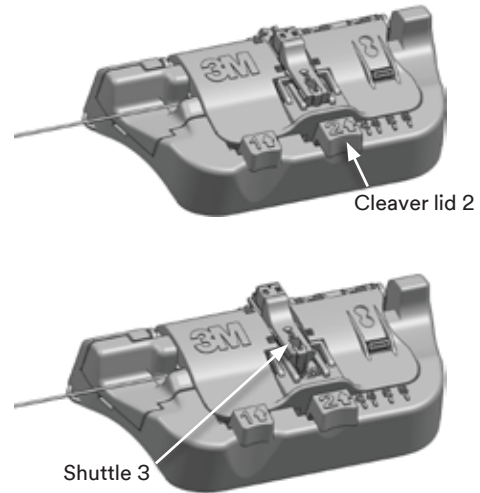


Note: The example above shows the 3M™ Fibrlok™ II Universal Splice 2529, which uses a 12.5 mm +/- .5 mm cleave for both 250 μm and 900 μm fiber.

1.6 While holding fiber in place, close buffer clamp marked “1,” keeping fiber centered in the groove as shown.

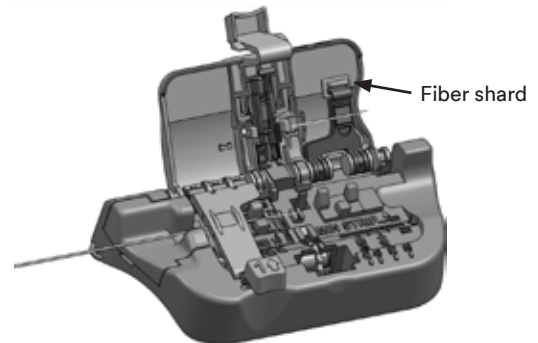


1.7 Close cleaver lid marked “2” and push the shuttle marked “3” to the back of the cleaver.



Note: Do not attempt to pull the shuttle forward.

1.8 Unclamp and raise cleaver lid “2” and remove the fiber shard from the pad as shown. Opening the lid resets the shuttle automatically.



Note: When counter reaches the end, dispose of the cleaver per accepted company practice.

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