

Micro-Strip stripping tools from Micro-Electronics strip buffered fiber up to 2360 μ m, and jacketed fiber up to 3.5mm quickly and easily.

You can use two standard handles with interchangeable cutter blade sets, fiber guides and fiber guide locks to strip all sizes. Simply select and install the proper cutter blade sets, tube guides, and tube guide locks.

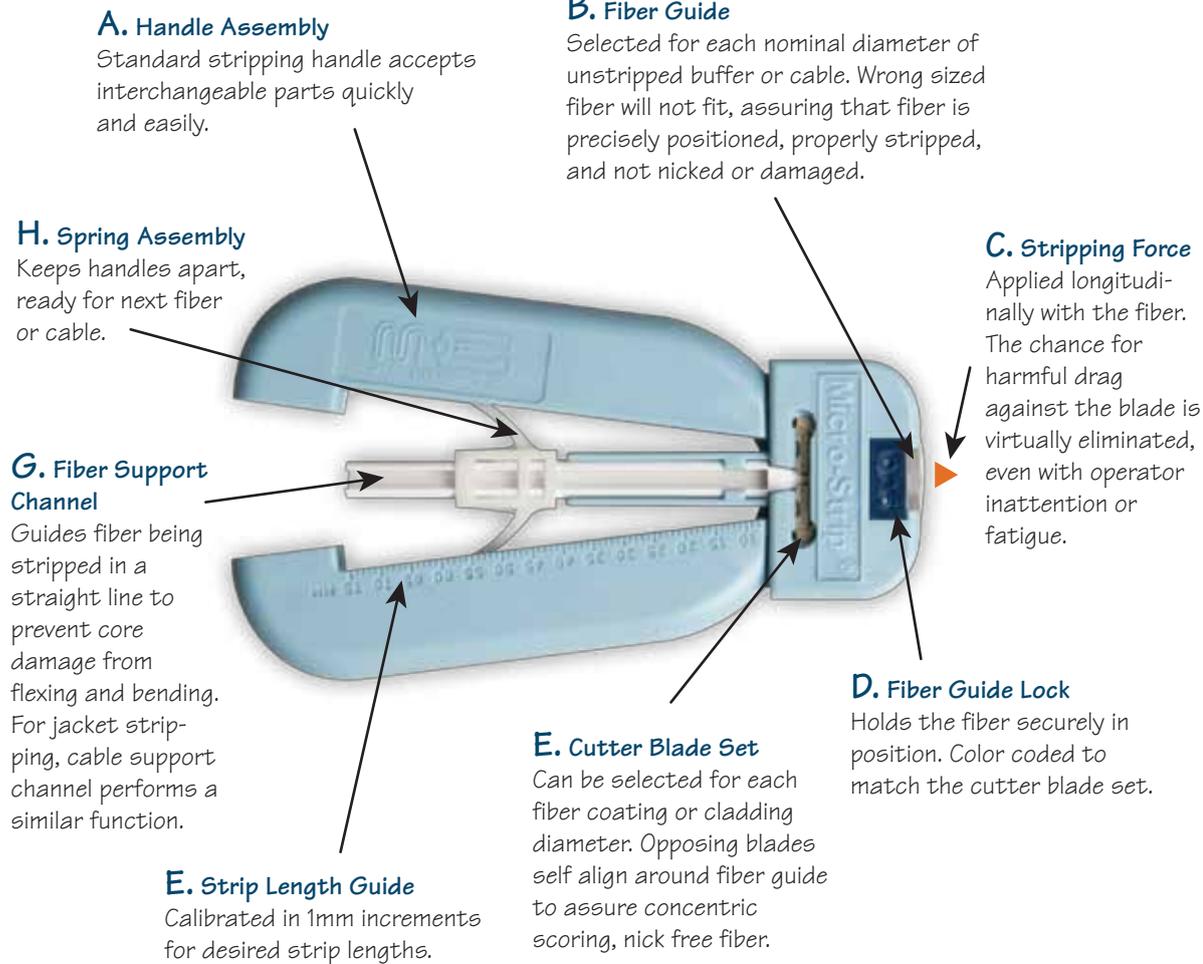
Or if you prefer, purchase Micro-Strip tools individually fitted for the fiber or jacket diameter you specify with cutter blade sets and fiber guides already installed.

Visit our web site for more tool information.

www.Micro-Strip.com

Or call (508)-761-9161.

Micro-Strip[®] Tool Breakdown

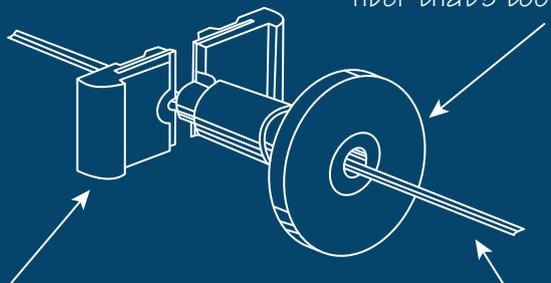


Ultra-Precise Non-Thermal Stripping System

SNAP-APART PRECISION-MACHINED BLADE HALVES MOLDED INTO THERMOPLASTIC BODIES

Patented, self-centering stripping system assures precise, concentric scoring with no cladding or core damage.

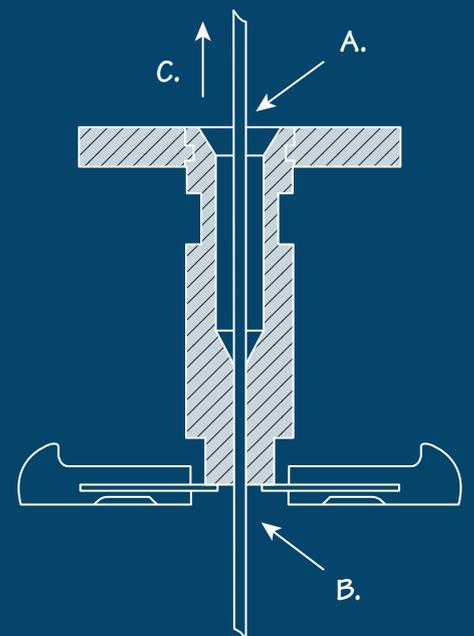
A. Fiber enters guide through opening dimensioned for a particular diameter range. Fiber that is too large won't enter the guide; fiber that's too small won't be stripped.



B. As gripping handles close, each blade half moves in a straight line to self-align around the fiber guide. This places the blades in perfect concentric relationship.

C. Fiber is withdrawn, assuring a perfect strip every time. Only the coating or buffer is scored. Fiber is never nicked or damaged.

PRECISION MACHINED FIBER GUIDE



End of fiber guide supports blades during stripping to prevent blade flexing and fatigue.

Non-Thermal Stripping Procedure

PROPER TOOL SELECTION

Select the proper tool and components for either fiber stripping or jacket stripping by referring to the tables enclosed. If necessary, install proper fiber guide, fiber guide lock and cutter blade set.

STRIPPING PROCEDURE (BUFFERED OPTICAL FIBER USING MS-1-FS TOOL)

1. Hold tool in one hand, fiber in the other. Keep handles in fully expanded position. Insert fiber through fiber guide until end lines up with markings to match desired strip length.

2. Squeeze handles closed. Cutter blades are now scoring the buffer or coating.

3. While maintaining a slight pressure to keep the stripper blades closed, withdraw fiber from tool, completing the stripping process.

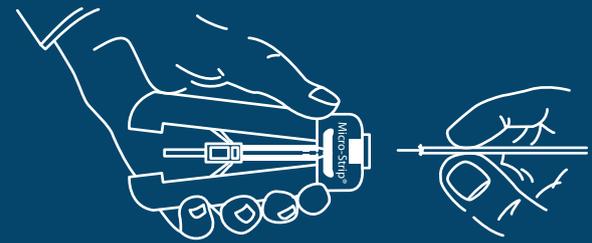
STRIPPING PROCEDURE (BUFFERED OPTICAL FIBER USING MS-2-L TOOL WITH LATCH BAR)

1. Insert cable through fiber guide. Align end of cable with rule marking at desired strip length.

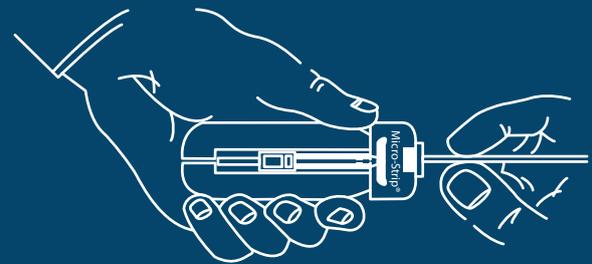
2. Close handles together while blades cut into jacket while holding handles closed, flip latch bar down around pin. Release handles to latched, semi-open position. Do not reclose handles. Move hand up to grasp head of tool. While other hand is holding cable firmly, pull with a quick smooth motion. Flip latch off pin. Stripped jacket will fall out through rear of channel when handles are fully open.

Note: Never leave tool with latch in locked position. This can cause Delrin spring to take set, preventing handles from opening fully. When stripping hard, tough or thick jackets, it is NOT necessary to use latch bar. Lock bar out of the way by tightening the screw.

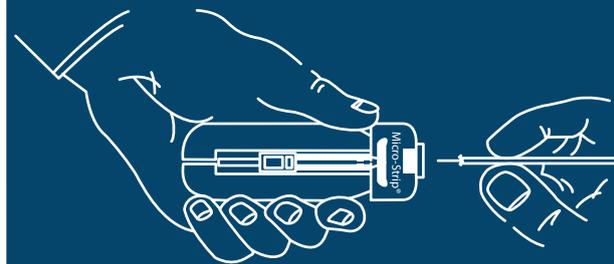
1. Insert correct fiber/wire through guide and into support channel to desired strip length.



2. Close handles. Blade sets cut almost through the insulation without ever touching the fiber/wire.



3. With handles closed, pull fiber/wire or cable from tool. Always a precision strip length. Fiber/wire is never nicked or damaged.



Ultra-Versatile

Use these two standard handles to strip buffered fiber up to 900µm, or jacketed fiber up to 3.5mm quickly and easily. Simply select and install the proper cutter blade sets, fiber guides and fiber guide locks. Or, if you prefer, purchase Micro-Strip® tools individually fitted for the fiber or jacket diameter you specify. Cutter blade sets and fiber guides come pre-installed.



MS-1-FS tool with interchangeable cutter blades and fiber guides can mechanically strip buffered fiber up to 2300µm.

Cutter Blade Sets: 18 sizes for 80µm to 1350µm fiber.

Fiber Guides: 20 sizes, for 180µm to 2360µm coatings.

Fiber Guide Locks: Provided with cutter blade sets.

Fiber-Guide Lock

Fiber-Guide

Cutter Blades

Fiber-Guide Lock

Jacket Stripping

MS-2-L tool with interchangeable cutter blades and fiber guides can mechanically strip jackets for 2.5mm, 3.0mm, and 3.5mm cable.

Cutter Blade Sets: One standard size 0.054' dia.

Fiber Guides: 3 sizes for 2.5mm, 3.0mm, and 3.5mm jackets.

Fiber Guide Locks: Provided with cutter blade sets.



Fiber-Guide Lock

Fiber-Guide

Cutter Blades

Fiber-Guide Lock

VISIT MICRO-STRIP.COM FOR CATALOG NUMBER IDENTIFICATION

1. From table, identify coating or cladding diameter you wish to strip down to. Read across to Complete Tool Cat. No.

2. From Fiber Guide Selection table, identify desired coating or buffer diameter to learn Fiber Guide Cat. No. Put 2-digit code in Complete Tool Cat. No. space to complete it.

3. Order complete tool. Proper cutter blade set and fiber guide will be provided.

4. Order replacement cutter blade sets and fiber guides as needed.

1. From table, identify jacket diameter you wish to strip. Read across to Complete Tool Cat. No.

2. Order complete tool. Proper cutter blade set and jacket guide will be provided.

3. Order replacement cutter blade sets and jacket guides as needed.

COMPLETE TOOLS AND REPLACEMENT BLADE SETS FOR OPTICAL FIBER					
Fiber Cladding Diameter to Expose		Proper Blade Dia.	Complete Tool Cat. No. †	Replacement Cutter Blade Set Cat. No.*	Blade Color Code
(µm)	(in.)				
up to 80	up to .0031	.0045	MS1-04S-__-FS	MS1-RB-04S	CLEAR
85-120	.0033-.0047	.0055	MS1-05S-__-FS	MS1-RB-05S	LAVENDER
125-135	.0049-.0053	.0063	MS1-06S-__-FS	MS1-RB-06S	PURPLE
125-175	.0049-.0068	.008	MS1-08S-__-FS	MS1-RB-08S	RED
180-230	.0070-.0090	.010	MS1-10S-__-FS	MS1-RB-10S	LIGHT BLUE
235-280	.0092-.0110	.012	MS1-12S-__-FS	MS1-RB-12S	WHITE
285-330	.0112-.0129	.014	MS1-14S-__-FS	MS1-RB-14S	DARK GREEN
335-380	.0131-.0149	.016	MS1-16S-__-FS	MS1-RB-16S	ORANGE
385-430	.0151-.0169	.018	MS1-18S-__-FS	MS1-RB-18S	YELLOW
435-500	.0171-.0196	.021#	MS1-21S-__-FS	MS1-RB-21S	ROYAL BLUE
505-550	.0198-.0216	.023	MS1-23S-__-FS	MS1-RB-23S	MAROON
555-600	.0218-.0236	.025	MS1-25S-__-FS	MS1-RB-25S	LIGHT GREEN
605-680	.0238-.0267	.028##	MS1-28S-__-FS	MS1-RB-28S	BLACK
685-750	.0269-.0295	.031	MS1-31-__	MS1-RB-31S	TAN
755-830	.0297-.0326	.034	MS1-34-__	MS1-RB-34S	PINK
835-900	.0328-.0354	.037	MS1-37-__	MS1-RB-37S	GRAY
905-1050	.0356-.0413	.044	MS1-44-__	MS1-RB-44S	DARK BROWN
1055-1350	.0415-.0531	.054	MS1-54-__	MS1-RB-54S	NATURAL

For best results use .0063 inch blade when removing 250µm coating.
 For best results use .0080 inch blade when removing 900µm buffer.
 # For best results when stripping secondary buffer down to primary 250µm coating use blade size .021.
 ## For best results when stripping secondary buffer down to primary 500µm coating use blade size .028.
 † Includes tool individually boxed with cleaning tool, push tool and instructions.
 * Catalog numbers are for two cutter blade sets packaged together with a matching fiber guide lock. Each blade set consists of a pair of joined, matched blades which must be snapped apart prior to use. Matched cutter blade sets are NOT interchangeable, and must only be used with their matching half.

FIBER GUIDE SELECTION	
Fiber Coating or Buffer Dia. (µm) to Strip	Replacement Fiber Guide Cat. No.▲
up to 180	MS1-RT-07
180-250	MS1-RT-10
250-343	MS1-RT-13
343-407	MS1-RT-16
407-457	MS1-RT-18
457-533	MS1-RT-21
533-635	MS1-RT-25
635-787	MS1-RT-31
787-889	MS1-RT-35
889-1016	MS1-RT-40
1016-1168	MS1-RT-46
1168-1321	MS1-RT-52
1321-1397	MS1-RT-55
1397-1600	MS1-RT-63
1600-1702	MS1-RT-67
1702-1778	MS1-RT-70
1778-1930	MS1-RT-76
1930-2057	MS1-RT-81
2057-2184	MS1-RT-86
2184-2362	MS1-RT-93

▲ Catalog numbers are for a single, individually packaged fiber guide with integral size indicator disk.

COMPLETE TOOLS AND REPLACEMENT BLADE SETS FOR JACKET STRIPPING					
Jacket Diameter		Blade dia.	Complete Tool Cat. No. ††	Replacement Cutter Blade Set Cat. No.*	Blade Color Code
(µm)	(in.)				
2.5	.098	.054	MS2-54S-D1	MS2-RB-54S	NATURAL
3.0	.118	.054	MS2-54S-D2	MS2-RB-54S	NATURAL
3.5	.137	.054	MS2-54S-D3	MS2-RB-54S	NATURAL

MS-1 and MS-2 components are not interchangeable.
 * Catalog are for two cutter blade sets packaged together with a matching fiber guide lock. Each blade set consists of a pair of joined, matched blades which must be snapped apart prior to use. Matched cutter blade sets are NOT interchangeable, and must only be used with their matching half.

REPLACEMENT HANDLE ASSEMBLY	
Handle Assembly*	Application
MS-1-FS	Fiber coating/buffer stripping up to 2360µm
MS-2-L	Jacket stripping up to 3.5mm

† Includes tool individually boxed with cleaning brush, push tool and instructions.
 †† Catalog numbers are for single individually packaged Jacket Guide (with integral size indicator disk).
 * Includes handle individually boxed with cleaning brush, push tool and instructions. Cutter blade set and fiber guide are NOT included.

OPTICAL FIBER TERMINOLOGY

Optical Fiber, made of glass, fused silica, or plastic transmits light much as metallic wire carries electricity. Optical fibers are encased in various ways to meet application requirements. Shown here are the typical components of optical fiber:

BUFFER - Material that protects an optical fiber from physical damage.

COATING - Material in intimate contact with the cladding surface, applied to preserve its integrity.

CLADDING - The dielectric material surrounding an optical fiber's core.

CORE - The central region of an optical fiber through which light is transmitted.

MULTIPLE-FIBER RIBBON - A formed, flat carrier of several optical fibers.

OPTICAL CABLE - A fiber, multiple fibers, or fiber bundle in a structure fabricated to meet optical, mechanical, and environmental specifications.

