3M Tools

For Wire Preparation, Cable-cutting, and Crimping

3M *Innovation*

3M Wire Prep Tools

Tough, Easy-to-Use Wire and Cable Preparation Tools

Designed for everyday use, the 3M Wire Prep Tool line combines ease-of-use with rugged durability providing clean, consistent cable preparation.

3M™ TH-310 Multi-Purpose Self-Adjusting Wire Stripper

The 3M TH-310 Multi-Purpose Self Adjusting Wire Stripper is a multi-purpose, front end wire stripper for stripping and cutting round and flat wires and cables. One hand operation grips and strips the wire or cable for a clean, concise strip every time. It features a built-in cutter, replaceable metal gripping pads and adjustable wire stop for setting strip length. Self-adjusting blades strip solid or stranded wires, 0.01" to 0.20" (0.25mm to 5.0mm) up to eight-position flat telephone cable. Its cutting range is up to RG 59 coax or four pair telecommunication cable. Designed for the professional, the handyman or the hobbyist this front end stripping tool makes it easy to reach difficult locations.

3M TH-310 Multi-Purpose Self-Adjusting Wire Stripper

Features	Advantages	Benefits
Easy to use, one hand front end operation	More comfortable to use Ensures precise operation with ease	Reduces operator fatigue Increases productivity Saves time
Strips 0.01" to 0.20" (.25mm to 5.0mm) solid or stranded wires, up to eight-position flat telephone cable	Strips multiple sizes of cable and wire, both round and flat	Reduces tool inventory Saves money
Adjustable wire stop	Provides consistent wire strip length	Professional looking installations Repeatability Saves money

3M™ TH-315 Multi-Purpose Cable Slitter

The 3M TH-315 Multi-Purpose Cable Slitter allows for easy removable of any jacket on coaxial, alarm, control and communication cables from 0.2" to 0.625" mid-cable, 0.9" cable end (5-15.9 mm mid-cable, 22.9 mm cable end) OD cable. It features a swivel cutting blade that makes circumferential or longitudinal cuts and is effective for "end" or "mid-span" stripping on alarm, control and communications cable. The Multi-Purpose Cable Slitter features a retractable cable ripping blade for ease in removing insulation on larger cables.

3M TH-315 Multi-Purpose Cable Slitter

Features	Advantages	Benefits
For use on coaxial, alarm, control and communication cables	Fast, accurate jacket stripping	Makes multiple cable installations easier Increases productivity Saves time and money
Swivel cutting blade	Allows use on ring or longitudinal strips and is effective for "end" or "mid-span" stripping	Flexibility in stripping Increases productivity Saves time and money
Retractable cable ripping blade	Makes longitudinal cuts in larger size cables	Ease of jacket removal

3M Cable Cutters

Strength and Performance in Cable Cutters

Designed for everyday use, the high-quality tools in the 3M Cable Cutter line combine ease-of-use with the rugged durability demanded by professionals.

3M Ratchet Cable Cutters

3M offers three ratchet cable cutters. These ratchet cable-cutting tools are manufactured from stamped, heat-treated hardened steel. They feature a blade lock and blade ratchet release for ease of operation, safety and storage. Cutters are not for use on steel or ACSR.

3M™ TR-710 10" Ratchet Cable Cutter

The 3M TR-710 10" Ratchet Cable Cutter is designed for conductor sizes up to 350 kcmil CU/500 kcmil Al.

3M™ TR-720 13" Ratchet Cable Cutter for Power Cables

The 3M TR-720 13" Ratchet Cable Cutter is designed for wire or power cable up to 750 kcmil Cu and 1000 kcmil Al cables.

3M™ TR-730 13" Ratchet Cable Cutter for Telco Cables

The 3M TR-730 13" Ratchet Cable Cutter is designed for up to 2700 pair, 24 gauge communication cable.

3M Ratchet Cable Cutters

Features	Advantages	Benefits
Hardened precision cutting blades	Longer performance of precision cuts eliminates the need for frequent blade replacement.	Reduces tool inventory Longer life Saves time and money
Locking latch	Prevents blade damage during storage and reduces the number of blade replacements necessary Reduces the chance of injury	Increases safety
One hand ratchet motion	Comfortable and easy to use	Reduces operator fatigue Increases productivity Saves time and money

3M™ TH-350 Hi-Leverage Cable Cutter

The 3M TH-350 Hi-Leverage Cable Cutter allows clean cuts on a wide variety of power and communications cable cutting applications. High leverage and powerful low force cutting produces a precise clean cut, whether on 2/0 AWG copper or 100 pair, 24 gauge communication cable. The Hi-Leverage Cable Cutter features hardened steel jaws to maximize cutting capability. Not for use on steel or ACSR.

3M TH-350 Hi-Leverage Cable Cutter

Features	Advantages	Benefits
High leverage handle and hardened steel cutter	Easier, more comfortable to use, allows more precise cuts	Reduces operator fatigue Increases productivity Saves time
Cuts up to 2/0 AWG Cu and 100 pair, 24 gauge communication cable	Covers a wide wire range	Reduces tool inventory Increases productivity Saves money

3M Crimp Tools

Heavy Duty, Lightweight Crimp Tools

The 3M Crimp tools combine strength and low weight for high performance crimping. Each high quality aircraft aluminum alloy tool is lighter in weight than a traditional steel frame crimp tool.

3M™ TR-680 and TR-690 Aluminum Ratchet Crimp Frame Tools

The 3M Aluminum Ratchet Crimp Tool comes in two frame sizes, the 8" TR-680 and the 9" TR-690. Both frames feature adjustable ratchet force and a quick release jaw design for rapid die sets changes. They are lightweight for a one hand crimp and ergonomic, cushioned non-slip handles reduce operator fatigue. A large choice of die sets are available. The smaller TR-680 fits easily into a technicians' or installers' tool belt. The larger frame TR-690 provides higher crimp pressures. Both the TR-680 and 690 accept the numerous die choices. See ordering information for available die sets.

3M Aluminum Ratchet Crimp Frames

Features	Advantages	Benefits
Aircraft aluminum alloy construction with cushioned non-slip handles	Lighter weight than traditional steel frame More comfortable to use	Increases productivity Saves time and money
Large choice of quick-release, interchangeable dies	Eliminates the need to carry different frames for different applications	Reduces tool inventory Increases productivity Saves money
Adjustable ratchet force	Customize fit to users' preference	Reduces operator fatigue Reduces tool inventory Increases productivity Saves time and money

Ordering Information

Ordering Information for 3M Aluminum Ratchet Crimp Frame Die Sets

UPC Number	Description	Billing Unit	Inner Unit Pack	Case Qty
000-55128-53144-8	M-1401 Twinax Die Set	each	1/bag	5
000-55128-53145-5	M-1402 RG-6, RG-174 Belden Type 8281 Cables	each	1/bag	5
000-55128-53146-2	M-1403 RG-174, Mini 59 BNC/TNC	each	1/bag	5
000-55128-53147-9	M-1404 N Series & RG-8/11	each	1/bag	5
000-55128-53148-6	M-1405 RG-59, RG-6, 8281, 50 & 75 Ohm Cables	each	1/bag	5
000-55128-53149-3	M-1406 RG-58, 59, 62, 6 & 8281	each	1/bag	5
000-55128-53150-9	M-1407 For 3M/ST fiber optic Hex connectors	each	1/bag	5
000-55128-53151-6	M-1408 For T & B fiber-optic connectors	each	1/bag	5
000-55128-53152-3	M-1409 RG-58, RG-174 & 8281 for 50 & 75 Ohm	each	1/bag	5
000-55128-53153-0	M-1410 AMP Thinwall Dual Crimp BNC	each	1/bag	5
000-55128-53154-7	M-1411 Plenum & Non-Plenum Thinwire Cables RG-58 & 59	each	1/bag	5
000-55128-53155-4	M-1412 Mini UHF & BNC/TNC 5 Cavity	each	1/bag	5
000-55128-53156-1	M-1413 Fiber-Optic SMA, SMB or SFR	each	1/bag	5
000-55128-53157-8	M-1414 AMP Fiber-Optic SMA or SFR Type	each	1/bag	5
000-55128-53162-2	M-1419 RJ-11 for 2, 4, or 6 Position Modular Plugs	each	1/bag	5
000-55128-53163-9	M-1420 RJ-11 DEC MMJ for 6 pos. mod. Plugs w/offset release tape	each	1/bag	5
000-55128-53164-6	M-1421 RJ-45 - 8 pos. die set for keyed or non-keyed mod Plugs	each	1/bag	5
000-55128-53165-3	M-1422 RJ-45 die set for 10 Position Modular Plugs	each	1/bag	5
000-55128-53166-0	M-1423 RJ-11 AMP die set for 2, 4, or 6 pos. w/primary strain relief	each	1/bag	5
000-55128-53167-7	M-1424 RJ-45 AMP die set for 8 pos. Primary strain relief toward back	each	1/bag	5

Ordering Information for 3M Wire Prep, Cable Cutter, and Crimp Tools

UPC Number	Description	Billing Unit	Inner Unit Pack	Case Qty
000-55128-53101-1	TH-310 Multi-Purpose Self Adjusting Wire	each	1/box	4
000-55128-53102-8	TH-315 Multi-Purpose Cable Slitter	each	1/box	4
000-55128-53098-4	TH-350 Hi-Leverage Cable Cutter	each	1/box	4
000-55128-53096-0	TR-680 8" Aluminum Ratchet Crimp Frame	each	1/box	4
000-55128-53097-7	TR-690 9" Aluminum Ratchet Crimp Frame	each	1/box	4
000-55128-53099-1	TR-710 10" Ratchet Cable Cutter	each	1/box	4
000-55128-53218-6	TR-720 13" Ratchet Cable Cutter for Power Cables	each	1/box	1
000-55128-53100-4	TR-730 13" Ratchet Cable Cutter for Telco Cables	each	1/box	1

Warning. Improper or careless use of hand tools may result in injury. If you have any questions regarding the proper use of tools covered in this publication please contact 3M ELPD Technical Support.

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.

This product will be free from defects in material and manufacture as of the date of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**