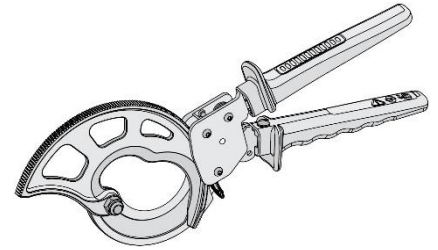


**Order Number  
63817-1500**

**molex<sup>®</sup>**  
**Application Tooling Specification**



**FEATURES**

- High leverage ratchet mechanism
- Quick release blade opens easily
- Hardened steel cutting blades
- Ergonomic soft grip handles for comfortable operation

**DESCRIPTION**

This cable cutter is designed for cutting copper and aluminium cable sizes up to of 4.80mm<sup>2</sup> (1,000 MCM) (solid and stranded wire) with insulation diameter up to 54mm (2.06") maximum. This tool is not recommended for cable or wire smaller than 8 AWG.



**WARNING:**  
Do not cut live circuits!  
This sign specifies danger of electric shock.  
Failure to observe can result in danger to life and limb.

**CAUTION:** Never cut steel wire. Damage to the cutting blades will result.

**OPERATION**

1. Open the cable cutter by loosening the locking latch at the base of the movable handle of the tool. See Figure 1.
2. Open the swivel blade in the opposite direction of the fixed blade.

**CAUTION:** Always keep hands and fingers out of the cutting area.

3. Insert the desired cable into the radius of the fixed blade.
4. Rotate the swivel blade into the fixed blade until the cable is secured by both blades. The ratchet and stopper pawl will audibly click into place.

**WARNING:** Make sure that the cable is disconnected from any power supply and does not contain any steel strands.

5. By pushing on the movable handle, the swivel blade will move one tooth at a time in the direction of the fixed blade, cutting into the cable.

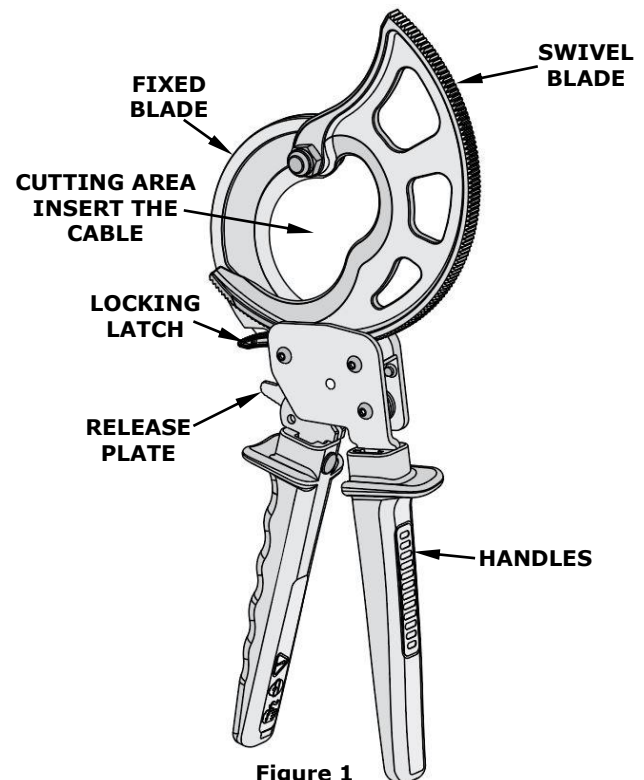


Figure 1

## Cable Cutter Tool

6. This tool will operate in two cycles:

- **Cycle 1**
  - Completely open the tool using the movable handle.
  - **Feed:** Two ratchet teeth. This is for quick cutting.
- **Cycle 2**
  - Open the tool halfway using the movable handle.
  - **Feed:** One ratchet tooth. This lowers hand force by reducing the opening.

**Caution:** Overloading the tool may fracture the ratchet teeth.

### Miscuts or Jams

Should this tool ever become stuck or jammed in a partially closed position, **Do Not force the handles open or closed**. This tool comes equipped with a release plate that can open in every cutting position to allow removal of the cable before completion of the cut. To do this, follow the steps below:

1. Close the movable handle until the release plate can be moved in the down position. See Figure 1.

Never use force! There is danger of fracturing the ratchet teeth and damaging this tool.

2. Keep the release plate in the down position.
3. Open the swivel blade opposite of the cutting direction.
4. Remove the cable and lift the release plate up to the original position.

## MAINTENANCE

---

It is recommended that each operator of the tool be made aware of and responsible for the following maintenance steps:

- Remove dust, moisture and other debris with a clean brush or a soft, lint-free cloth.
- Do not use any abrasive materials that could damage the tool.
- Make certain all movable parts such as bolt joints and the ratchet mechanism are oiled regularly. Apply light oil (such as SAE30W oil) at the oil points.
- Make sure the teeth of the swivel blade are cleaned of debris. There is danger of fracturing the ratchet area and the feed mechanism.
- When the tool is not in use, store it in a clean, dry area.

## WARRANTY

---

This tool is for cutting electrical cable only. All tools are warranted to be free of manufacturing defects for a period of 30 days. Should such a defect occur, the tool will be exchanged free of charge. This exchange will not be applicable to altered, misused or damaged tools. This tool is designed for hand use only. Any clamping, fixturing or use of handle extensions voids this warranty.

### Application Tooling Support

**Phone:** (402) 458-TOOL (8665)

**E-Mail:** [applicationtooling@molex.com](mailto:applicationtooling@molex.com)

**Website:** [www.molex.com/applicationtooling](http://www.molex.com/applicationtooling)

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners.