

## CABLE STRIPPER SWIVEL-BLADE

### 1. GENERAL

1.01 This section covers the description and use of the Ideal "Swivel-Blade" cable stripper, a tool designed to cut the outer sheathing of polyethylene insulated cable without damaging inner conductors or insulation.

1.02 The "Swivel-Blade" eliminates the safety hazards inherent with the R-2761 Skinning Knife when used to strip cable sheaths.

### 2. DESCRIPTION

2.01 The cable stripper is a lightweight, hand-held tool designed to make both ring cuts and axial cuts on cable sheath.

2.02 The cable stripper consists of a hollow plastic handle approximately 5 inches long equipped with a "Swivel-Blade" protruding from one end. For safety, a spring-loaded hood covers the exposed blade when the tool is not in use. In addition, the hood acts as a stripping guide to maintain a uniform cutting depth. The cutting guide (hood) is designed to "capture" the cable and hold it with pressure against the blade to facilitate penetration of the blade into the insulation as the tool is being revolved on the cable.

2.03 The cable stripper is available in two sizes. The model #45-128 may be used on cables from 3/16" outside diameter to 3/4". (Figure 7) The model #45-129 may be used on cables from 3/4" to 1 - 1/2" outside diameter. (Figure 8)

2.04 The "Swivel-Blade" is enclosed in the plastic hood except for the protruding sharp end. The depth of cut is controlled

with the use of an adjustable screw at the end of the handle opposite the blade end. Once the depth of cut is set the blade is capable of swiveling a full 360 degrees. Once the tool is placed on the cable, it is not necessary to remove the tool before the ringing and the slitting job is completed. The tool responds to the direction of pull by rotating the sharp edge of the blade to follow the pulling force.

### 3. USE

3.01 The cable sheath is cut in the following manner:

- (a) Ring Cut - To make this cut, first adjust the cutting depth (Figure 1) and push the spring tension guide open. Position tool on the cable at the desired location of the ring cut and close the spring guide on the cable. (Figure 2) Rotate the tool around the cable to complete the circular cut. (Figure 3).

FIGURE 1

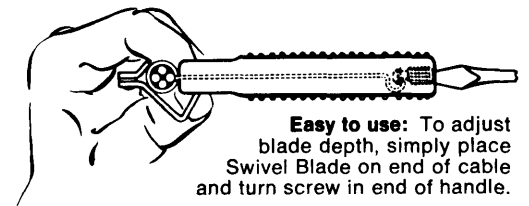


FIGURE 2

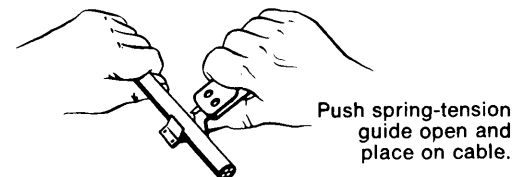
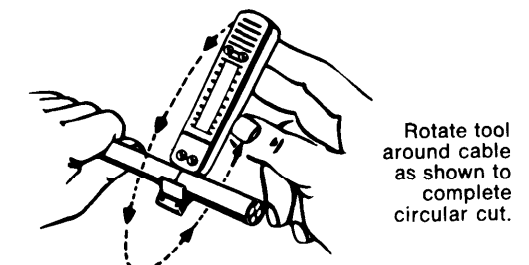


FIGURE 3



(b) Axial Cut - After completing the steps for the ring cut, pull the tool toward the end of the cable to complete the axial cut. The blade automatically aligns itself in the direction of the cut. (Figures 4, 5, and 6.)

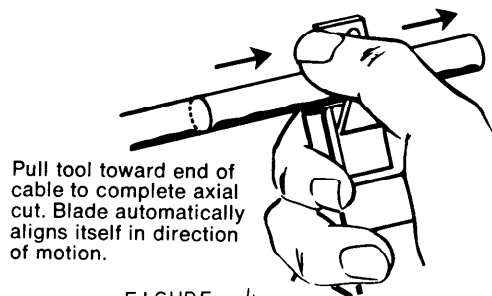


FIGURE 4

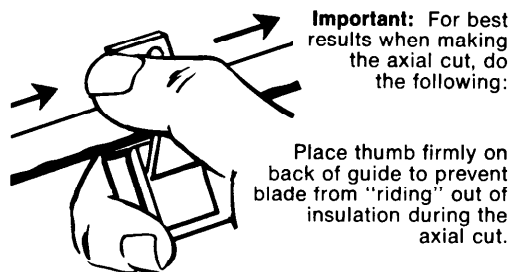


FIGURE 5

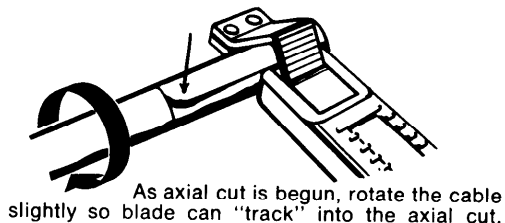


FIGURE 6

3.02 For best results, insure that the blade has not become dull. Do not attempt to sharpen the blade if it becomes dull. Replace it with the spare blade that is encased in the hollow handle.

3.03 To replace the cutting blade, remove the spare blade from the hollow handle. Remove the screws that hold the handle together. When the handle is open, remove the dull blade from its place, replace it with the new blade, and reassemble the handle.

#### 4. ORDERING INFORMATION

4.01 The "Swivel-Blade" cable stripper may be ordered from Western Electric as follows:

(Quantity) Stripper, Cable, No. 45-128  
 (Quantity) Stripper, Cable, No. 45-129  
 (Quantity) Replacement Slitting Blade  
 (Pkg. of 2), No. L-7486



FIGURE 7

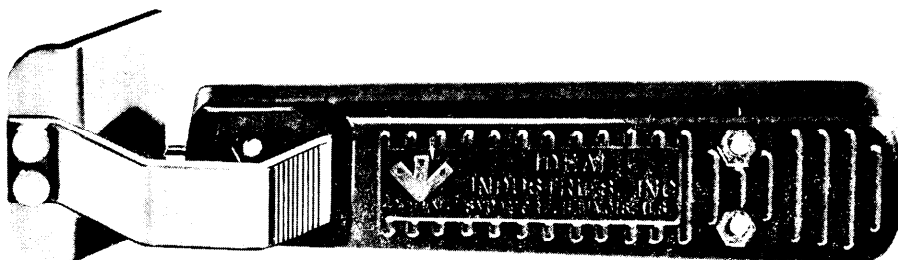


FIGURE 8