

# CORNING

## Splitting Tool for ROC™ Drop Cables (RDST-0000)

P/N 005-075  
Issue 4

related literature |

SRP 004-154      Access Guide for Drop Cables

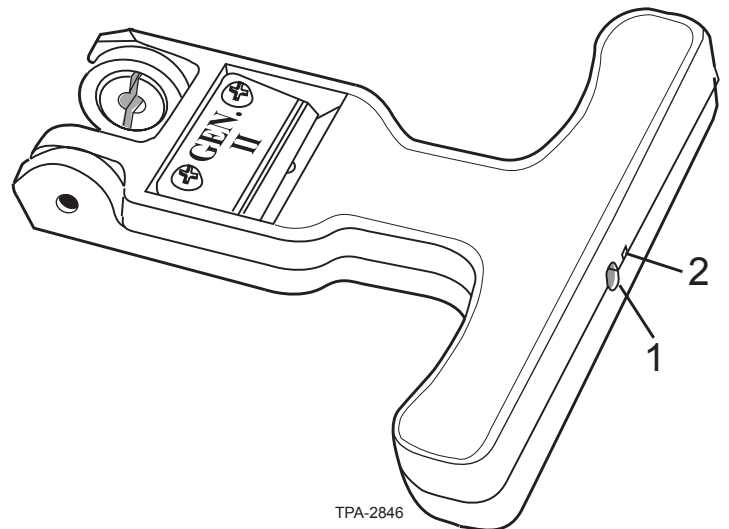
### Precautions



**CAUTION:** The wearing of cut-resistant safety gloves to protect your hands from accidental injury when using sharp-bladed tools and armored cable is strongly recommended. Use extreme care when working with severed armor. There will be a sharp edge where armor is cut. To minimize the chance of injury from the cut armor, cover the exposed edge with a wrap of electrical tape. To minimize the chance of injury from sharp-bladed tools, always cut away from yourself and others. Dispose of used blades and armor scrap properly.

### 1. Tools and Materials

- Side cutters
- Scissors
- Phillips screwdriver
- Sheath knife

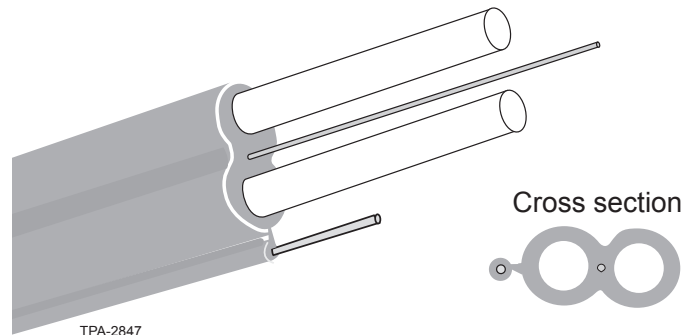


TPA-2846

Figure 1 — ROC Drop Cable Splitter

### 2. Using the Tool

If the ROC™ Drop cable you are installing has an optional toning wire, separate the wire and remove any web remnant for your required strip length as described in Section 3.3 of SRP 004-154.

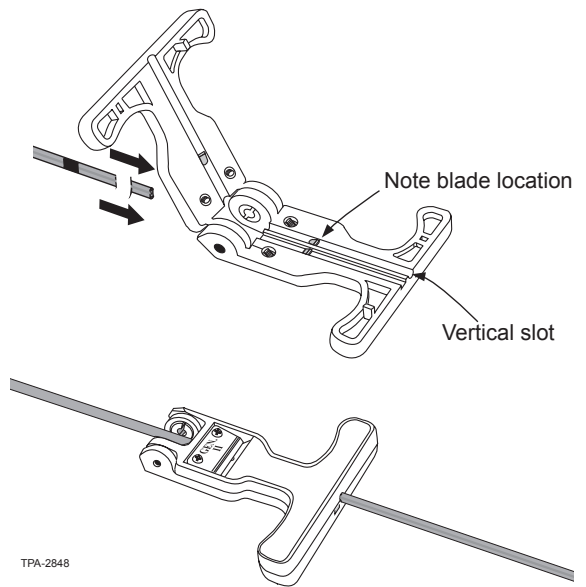


TPA-2847

Figure 2 — ROC Drop Cable with Toning Wire Option

## 2.1 Shaving the Narrow Sides of the Cable Jacket

**Step 1:** Open the tool and place the cable in the vertical slot (#1).



**Step 2:** Close the tool. Make sure that the cable is in the vertical slot and that the splitting tool is fully closed.

**Step 3:** Firmly hold the cable with one hand and pull the tool along the cable with the other hand until the tool is clear of the end of the cable. The tool should pull smoothly and with very little effort. If you have difficulty in pulling the tool, make sure the cable is properly positioned in the tool.

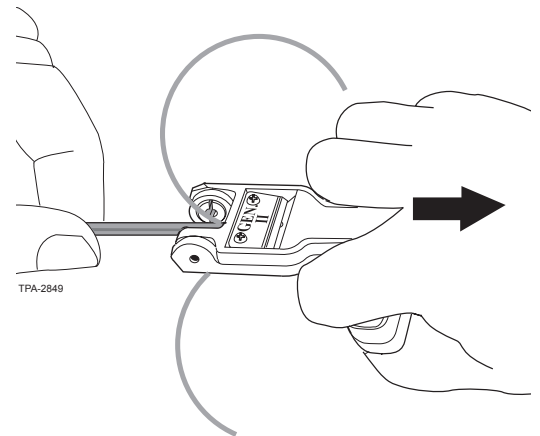


Figure 3 — Tool Placement

Figure 4 — Tool Use

## 2.2 Shaving the Wide Sides of the Cable Jacket

**NOTE:** Unlike the vertical slot which shaves jacket material from both narrow sides of the cable at the same time, the ROC™ Drop Splitting Tool shaves only one wide side of the cable jacket at a time.

**Step 1:** Open the tool and feed approximately 3 in (8 cm) of the cable past the blade in the horizontal (#2) slot of the tool.

**Step 2:** Close the tool. Make sure that the cable is in the horizontal slot and that the splitting tool is fully closed.

**Step 3:** Firmly hold the cable with one hand and pull the tool clear of the cable end with your other hand.

**Step 4:** Flip the cable over and repeat Steps 1 through 3 to shave 3 in (8 cm) of jacket from the other wide side of the cable.

Figure 7 illustrates the appearance of the cable end after all four sides of jacket have been removed.

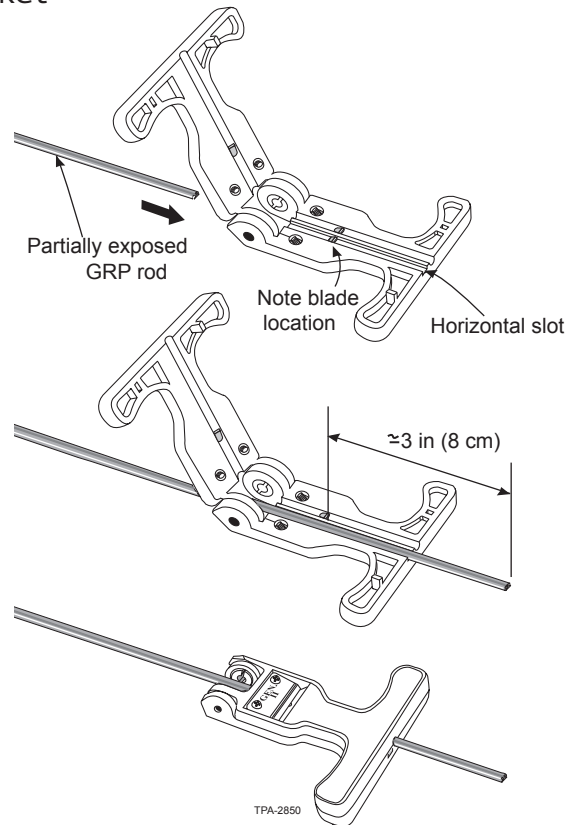


Figure 5 — Wide Side Jacket Removal

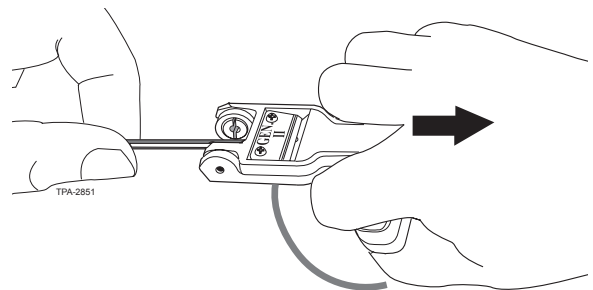


Figure 6 — Tool Use

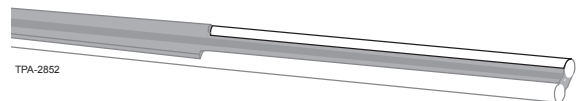


Figure 7 — Prepared Cable End

### 3. GRP Strength Member Separation

**Step 1:** Separate the GRP strength members from the cable back to the strip length tape wrap.

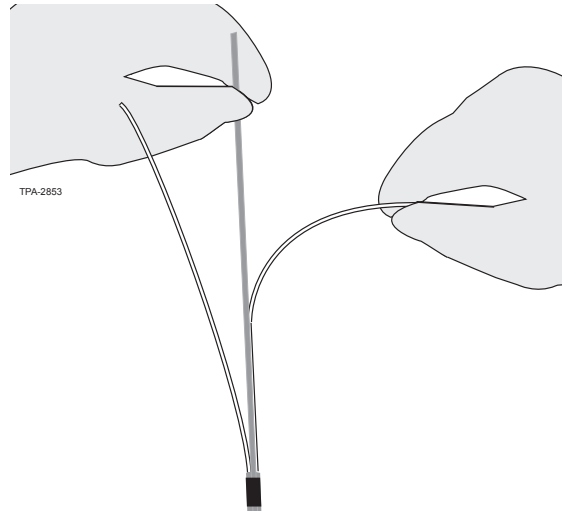


Figure 8 — Strength Members Separated from Sheath

**Step 2:** Use diagonal cutters or scissors to cut the strength members as close to the access point as possible.

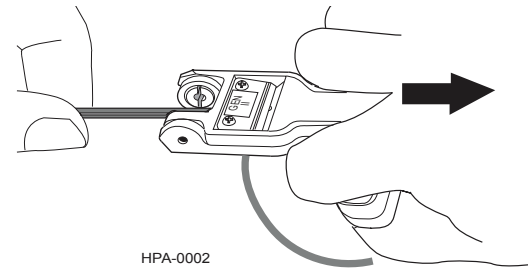
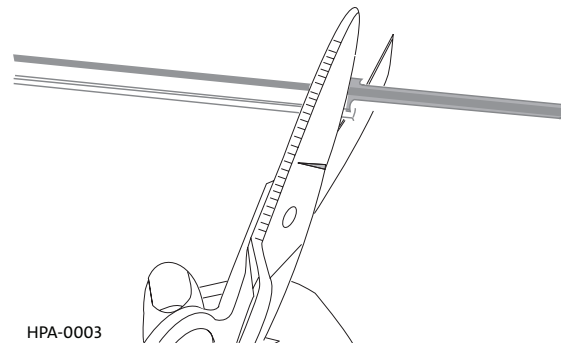


Figure 9 — Strength Members Cut to Length

### 4. Accessing the Fiber

**Step 1:** Use scissors to cut the cable end square just past the 3-in section of cable which had its wide sides removed in Section 2.2.



**Step 2:** Use scissors to make a cut approximately 1.0-1.5 in (25-37 mm) long between the grooves where the strength members were previously located.

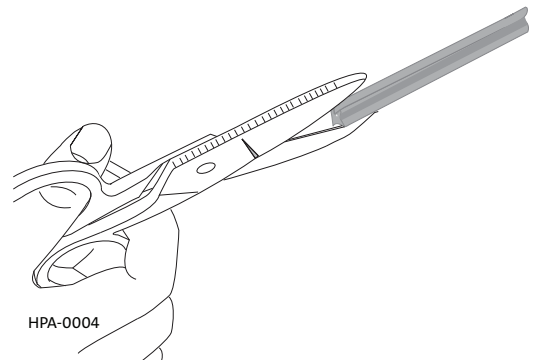


Figure 10 — Initial Cuts to Separate Jacket

**Step 3:** Firmly hold each half of the cable jacket and pull to separate the center section of cable sheath back to the access point.

It is best to pull each half at a slight angle relative to the cable direction as opposed to bending each half over approximately 90 degrees to the cable and then pulling.

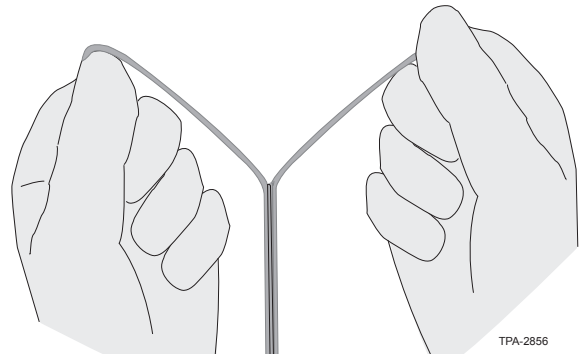


Figure 11 — Separating Sheath into Two Halves

**Step 4:** Once the sheath has been separated along the entire length, locate the colored fiber (blue is standard). It may still be attached to one half of the sheath, or it may have separated as the sheath was split.

If the fiber is still attached to the sheath, look for it at the cable end, separate the fiber from the sheath and gently pull the fiber along the length to where it leaves the cable at the end near the cut strength members.

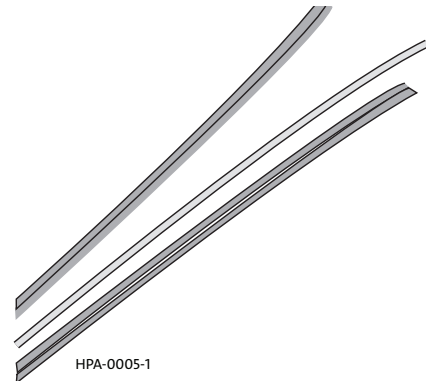


Figure 12 — Accessed Cable with Fiber Exposed

**Step 5:** Using care not to damage or cut the fiber, cut off and discard the split center sheath segments.

The fiber is now exposed and both the cable and fiber are ready to be placed in the hardware for your specific application.

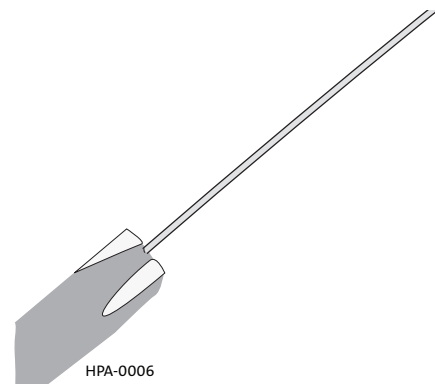


Figure 13 — Accessed Fiber

## 5. Maintenance

### 5.1 Replacement Parts

- If replacement blades are needed, standard “mini-utility knife” blades are used in the tool, e.g., Ace® (P/N 23301) or Kobalt® (P/N 078010).
- If lost, the blade guide retaining screws may be replaced by 6-32 x 3/8-in stainless steel screws.

### 5.2 Replacing the Blades

- Step 1:** Use a phillips screwdriver to remove the screws which secure the blade cover.
- Step 2:** Remove and replace the blade.
- Step 3:** Reinsert the blade cover and secure it with the Phillips screws.
- Step 4:** Repeats Steps 1 - 3 for the other blade.

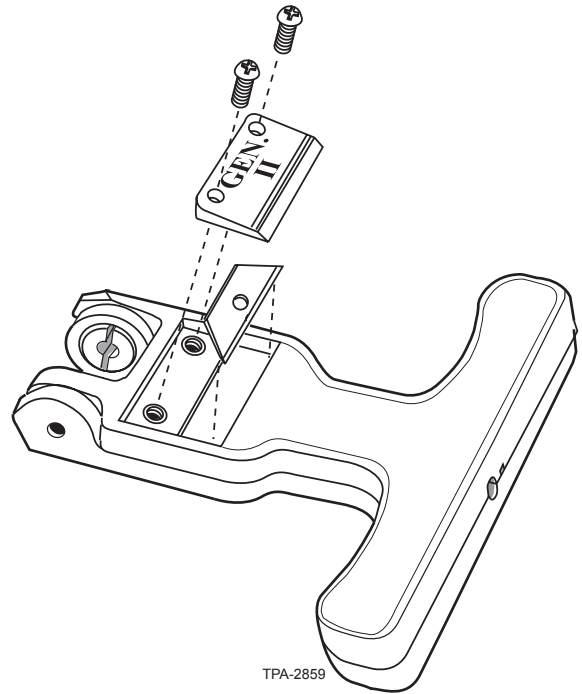


Figure 14 — Blade Replacement