

# CORNING

## Scoring Fiber Optic Tubes with a Coaxial Cable Stripper (100107-01, 3204002-01)

P/N 005-007  
Issue 12

### 1. Precautions



**CAUTION:** Fiber optic cable is sensitive to excessive pulling, bending, and crushing forces. Consult the cable specification sheet for the cable you are installing. Do not bend the cable more sharply than the minimum recommended bend radius. Do not apply more pulling force to the cable than specified. Do not crush the cable or allow it to kink. Doing so may cause damage that can alter the transmission characteristics of the cable; the cable may have to be replaced.

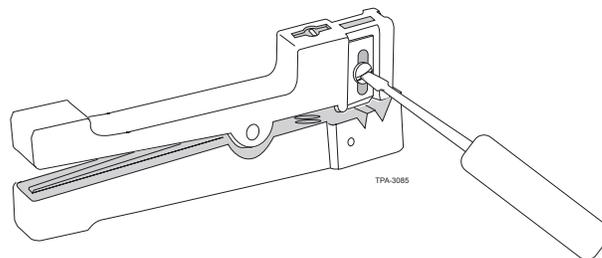
### 2. Tools and Materials

In addition to the cable stripper, you will need the following tools:

- Small slotted screwdriver

### 3. Adjusting the Stripper

Before using the stripper, make sure that it is properly adjusted. Use a small slotted screwdriver to adjust one of the blades on the side of the coaxial cable stripper so that it seats against the lower jaw but does not force the jaw open. Leave the blades on the front and other side of the tool fully retracted so that they do not extend into the grooves of the lower jaw.

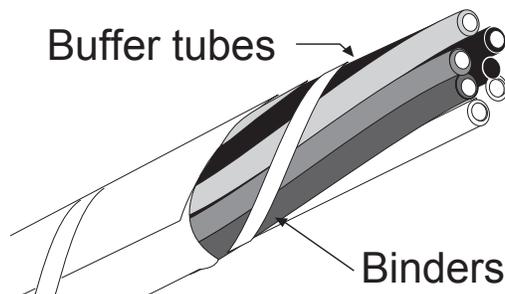


Part number	Tube Size
100107-01	3/32-7/32 in (2.5-5.556 mm)
3204002-01	3/16-5/16 in (4.763-7.938 mm)

### 4. Scoring a Buffer Tube or Single Tube

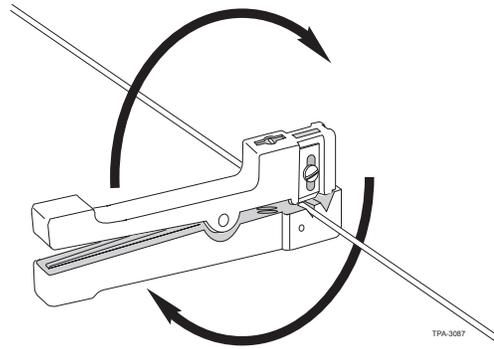
Prepare the tube:

- Step 1:** Strip the cable sheath to the required length to access the tubes.
- Step 2:** Use the last 2 to 3 in (5 to 7.5 cm) at the end of the cable end to determine the sharpness of the stripper's blade and how many turns of the tool will be required to score the tube. To minimize damage to the fibers inside the tube, always use the tool to score the tube, not ring cut it.



To score a tube:

- Step 1:** Open the tool by squeezing its handles together and place the stripper's blade on the tube at the desired scoring point.
- Step 2:** Hold the tube steady with one hand to prevent it from twisting.
- Step 3:** Use your other hand to rotate the tool around the tube two to three complete turns to score it. Remove the tool from the tube.

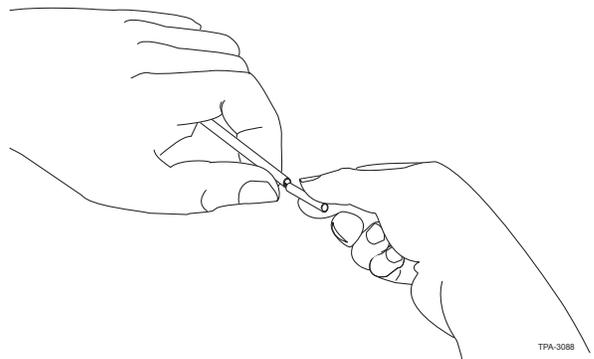


**NOTE:** *If the stripper completely cuts through the tube during this trial step, move the tool to a new trial area at the end of the tube and repeat Steps 1 through 3 with fewer rotations in step 3. If the blade cuts completely through the tube, damage to the fibers inside can result.*

- Step 4:** Carefully flex the tube to break it at the score point. The break should be clean and free of rough edges.

**NOTE:** *If the break is not clean, repeat the trial at a new location at the end of the tube with an additional rotation or two.*

- Step 5:** Once you have determined the number of rotations needed to score the tube, place the tool at the actual score point and carefully repeat Steps 1 through 4.
- Step 6:** Slide the scored section of tube off the fibers. The fibers are now ready to be cleaned and terminated.



## 5. Blade Replacement

When the blade becomes dull, replace it with one of the two unused blades mounted in the tool or a new one available from Ideal.

- Step 1:** Remove the adjusting screw and washer securing the old blade.
- Step 2:** Slide the old blade out of the tool. Properly dispose of the old blade.
- Step 3:** Slide in a new blade and secure it with the screw and washer removed in Step 1.
- Step 4:** Adjust the blade as described in Section 3.