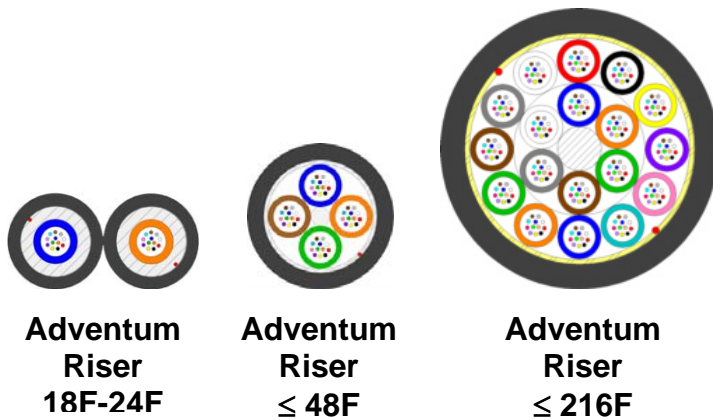


## ADVENTUM™ INDOOR/OUTDOOR FIBER OPTIC CABLE

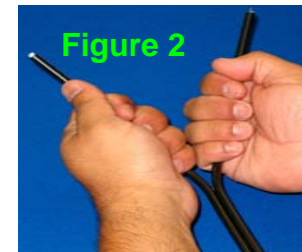
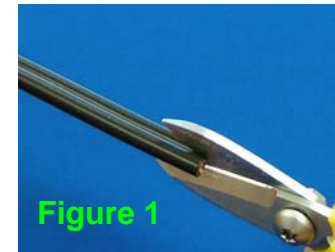
### CABLE STRIPPING PROCEDURE



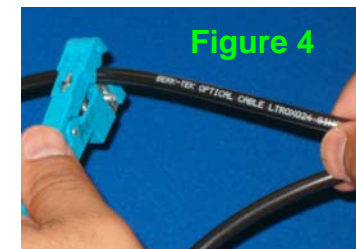
**Tools Required:** Blue Coax Strippers (Ideal 45-163 or similar), Kevlar scissors, Hook Blade Box Cutter, pliers

1. This instruction provides guidelines for accessing the Adventum optical cable family including the twin-axial (18F-24F) and all round configurations.
2. If accessing a twin-axial Adventum cable, use scissors to cut thru a 3" length of webbing as

shown in **Figure 1**. Carefully pry apart the individual round cables until sufficient length of cable has been separated. See **Figure 2**. Consult your optical hardware installation procedures to determine the length of exposed cable required.



3. On small diameter Adventum cables ( $\leq 7$  mm or 0.28 inches) use the coax stripping tool to ring cut the cable sheath six inches from the cable end and also at the length specified by your hardware installation procedure for exposed buffer tube requirements. See **Figure 3** and **Figure 4**.

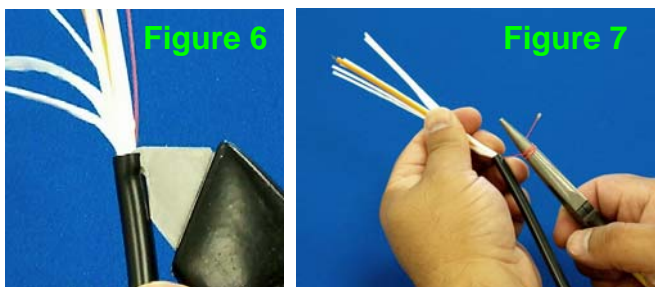


4. On larger diameter Adventum cables ( $> 7$  mm or 0.28 inches) use the hook blade tool to ring cut the

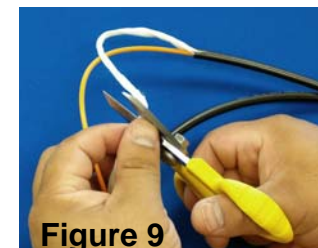
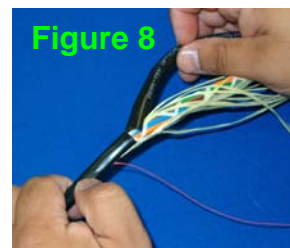
cable sheath six inches from the cable end and also at the length specified by your hardware installation procedure for exposed buffer tube requirements. See **Figure 5**.



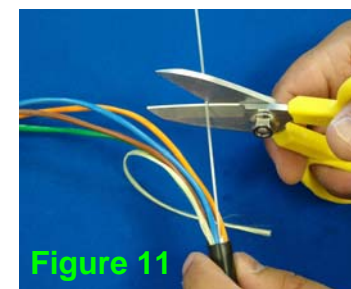
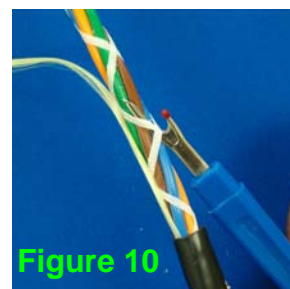
5. At the ring cut six inches from the cable end, flex the cable until the external sheath separates at the ring cut. Remove the six-inch segment. Using the hook blade, carefully notch the cable sheath next to the rip cord. See **Figure 6**. Using a set of pliers, grip the rip cord securely and pull down the cable length until the 2<sup>nd</sup> ring cut is reached. See **Figure 7**.



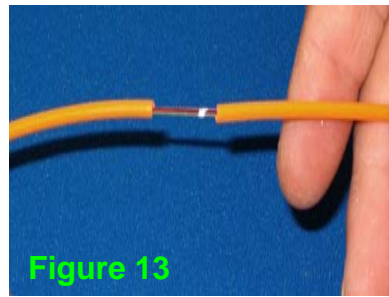
6. Remove the split sheath carefully and discard. See **Figure 8**. Trim off strength yarns as specified in the installation procedures for your optical hardware. See **Figure 9**.



7. Use a seam ripper or scissors to carefully cut the cable binding threads (if used) every 18 inches. See **Figure 10**. Remove threads and unravel the cable buffer tubes. Expose the central member (where equipped) and trim according to the requirements listed in your optical hardware installation procedures. See **Figure 11**.



8. Accessing the fibers within the buffer tubes can be accomplished using a buffer tube stripper or with a coax stripper (ensure cutting blade depth is set to prevent the cutting of optical fibers) to score (scratch) around the buffer tube circumference, see **Figure 12**. Lightly flex the buffer tube at the score point to snap it cleanly. Remove the buffer tube, see **Figure 13**.



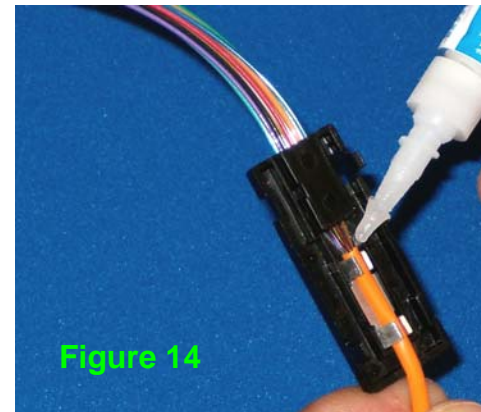
## ADVENTUM CABLE PREPARATION WHEN USING PRE-POLISHED CONNECTORS

*When using pre-polished optical connectors with Adventum cables, it is essential that the following procedures be completed to enhance successful termination. These steps are not required for adhesive type optical connectors.*

9. Buffer tube break out kits are available in six fiber per buffer tube (6B) or twelve fiber per buffer tube (12B) configurations. Break out kits are also available in 24" and

36" lengths. The amount of exposed fiber recommended is equivalent to the buffer tube break out kit tubing length plus four inches (+4"). Reference your buffer tube kit installation procedures for specific instructions and length requirements. Insert optical fibers per instruction.

10. Once the optical fibers have been inserted into the break out tubes but prior to closing the break out assembly, apply a drop of acrylic adhesive (super glue or Loctite® 401) at the point that the optical fibers exit the buffer tube, see **Figure 14**. This will preclude the relaxation of the optical fibers into the buffer tube when the fiber tip is inserted into a pre-polished connector.



11. Termination of the optical fibers with pre-polished connectors can now proceed per manufacturers instructions.