SIMCO ION™
An ITW Company

SLCC HV Connector Assembly for Arc Resistant Pinner Bar Instructions

A. Instructions for attaching the Spring Loaded Cable Connector (SLCC) onto the Pinner Bar high voltage (HV) cable.

1. Trim silicone tubing back to expose HV cable:
   - 30 kV Connectors: 3-3/4” [95 mm]
   - 60 kV Connectors: 5-5/8” [143 mm]

   Trim carefully, **DO NOT** nick HV cable insulation.

2. Strip all layers of insulation to expose 3/4” [19 mm] of copper conductor. (Wire may be difficult to strip; strip in two steps of 3/8” [10 mm] lengths.)

3. Then strip 1/4” [6 mm] of insulation jacket to expose inner insulation.

4. Fold the conductor in half.

5. Slide a knurled plug and insulating barrel over the HV cable.

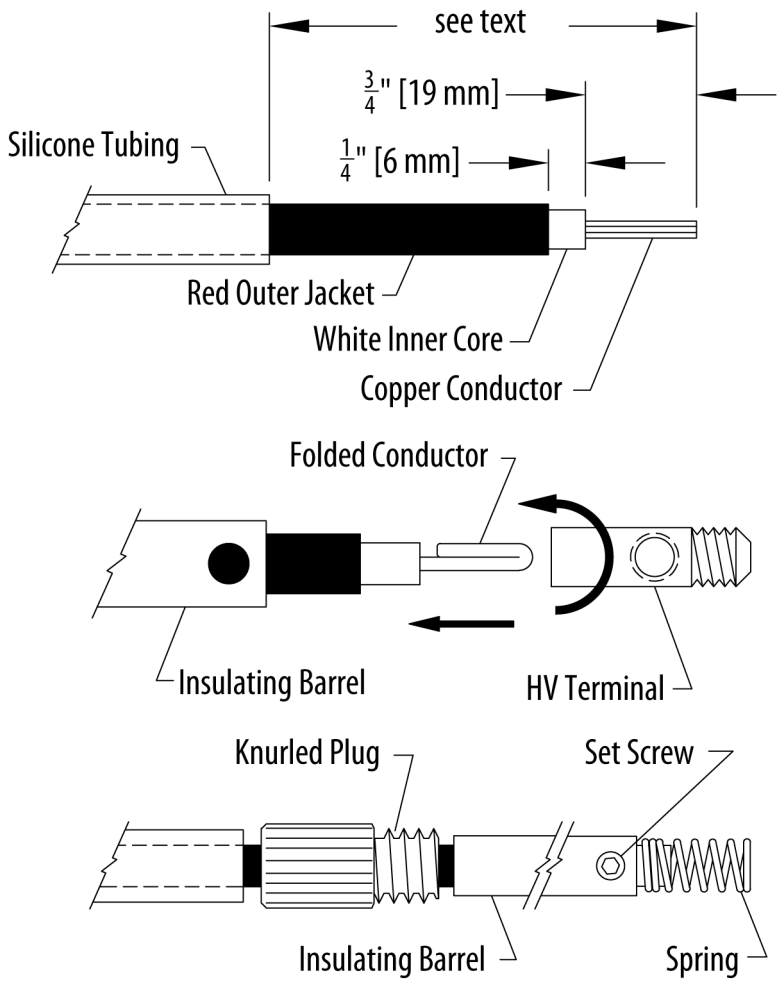
6. With one hand, pull the silicone tubing, knurled plug, and barrel back to create room for gripping the HV cable.

7. With the other hand, grasp the HV Terminal and screw the self-tapping end of it onto the white inner core using a clockwise motion.

8. Ensure that the cable is firmly attached to the terminal and that the copper conductor is visible through the set screw hole.

9. Slide the insulating barrel back down over the HV Terminal and align the set screw holes. Reconfirm that the copper conductor is visible through the holes before inserting the set screw and fully tightening it into the HV Terminal.

10. Install the spring onto the end of the HV Terminal.



B. Converting a 30 kV Spring Loaded Cable Connector (SLCC) to a 60 kV SLCC connector assembly:

1. Remove set screw from HV terminal.
2. Remove HV terminal and spring from HV cable by unscrewing in a counterclockwise direction.
3. Remove any conductor strands that remain in HV terminal.
4. Remove insulating barrel and knurled plug from cable.
5. Trim off exposed conductor (to remove damaged strands).
6. Continue with step 1 on page 1, A) Instructions for Attaching the SLCC.