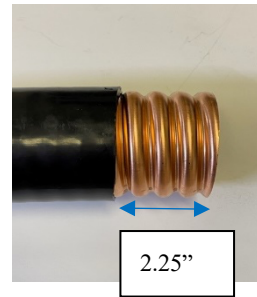


Installation Instruction

For 3-1/8" EIA Connector of SDY-50-80(3-1/8") air cable

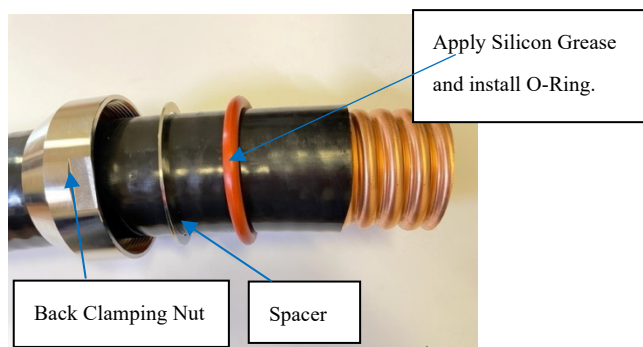
Tools Needed:

1. Metric Allen Set
2. Utility Knife
3. Metal Shears
4. Wire Cutters
5. Small Hammer
6. Small Crescent Wrench
7. Large Flat head screw driver
8. Tape Measure
9. Two Large Channel Lock Wrenches
10. Mapp Gas or Heat Generator

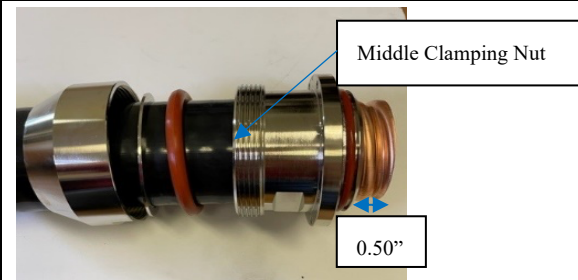


Step 1: Remove the outer jacket 2.25" (2-1/4") inches.

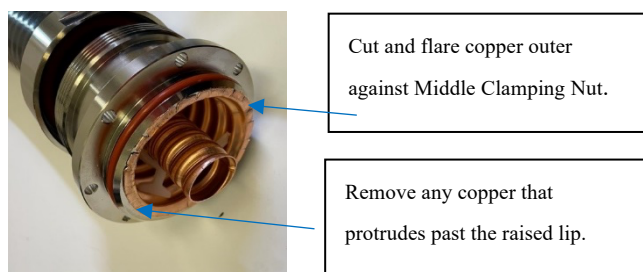
NOTE: Slide the heat-shrink over the coaxial line prior to installing the connector. Apply heat to the heat-shrink once the connector assembly has been completed.



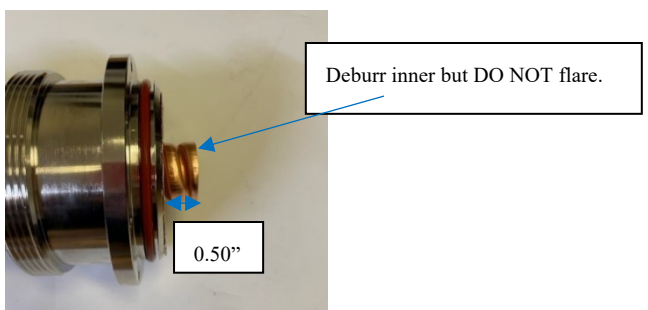
Step 2: Install Back Clamping Nut, Spacer and O-Ring onto coax as shown in photo. (Grease O-Ring prior to install).



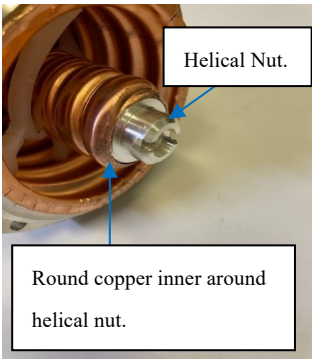
Step 3: Install Middle Clamping Nut by rotating clockwise. The Middle Clamping Nut will sit firmly against the outer jacket when installed correctly. Tighten using a large channel lock wrench.



Step 4: Cut Copper outer 0.25", leaving 0.25" for flaring. Using wire cutters, make small cuts in the copper outer approximately 0.25" apart around the full perimeter of the copper outer, this will help with the flaring process. Using a hammer, flare copper outer against Middle Clamping Nut, cut any excess copper that protrudes over the raised lip of the Middle Clamping Nut.

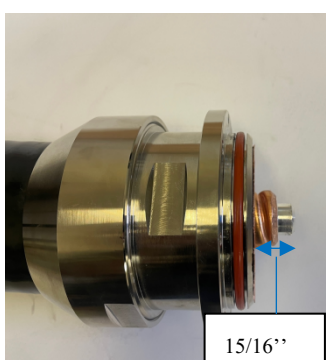


Step 5: Deburr copper inner but **DO NOT** flare. Length of inner will be 0.5" (1/2") from flared outer to end of inner.



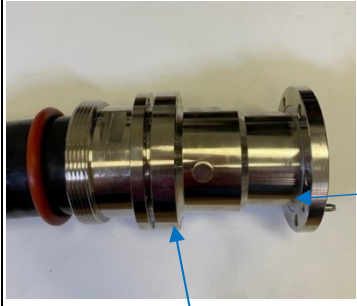
Helical Nut.

Round copper inner around helical nut.



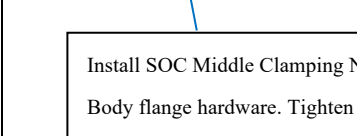
15/16"

Step 6: Install helical nut using a large flat head screwdriver. Once helical nut has been installed, using a small hammer, round copper inner around helical nut as shown in photo. Remaining inner with helical nut is 15/16".



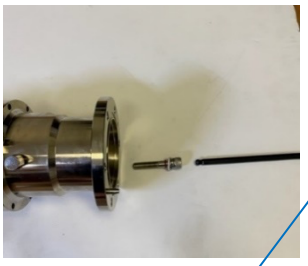
Install Connector Body

Install SOC Middle Clamping Nut and Connector Body flange hardware. Tighten hardware

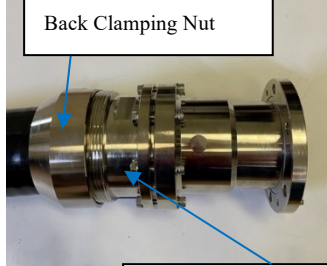


Install Connector Body

Step 7: Install Connector Body to Middle Clamping Nut. Apply silicon grease to O-ring before installing Connector Body. Secure using the provided QTY 8 SOC clamping hardware. Once hardware is installed, ensure hardware is properly tightened.



Install connector basket hardware. Tighten hardware.

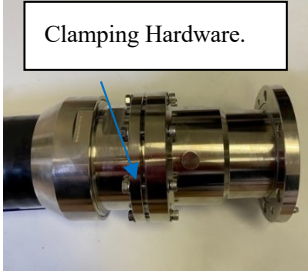


Back Clamping Nut

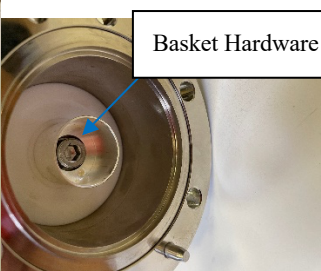
Middle Clamping Nut

Step 8: Install connector basket hardware. Tighten hardware

Step 9: Install Back Clamping Nut onto Middle Clamping Nut by rotating the Back Clamping Nut clockwise while keeping the Middle Clamping Nut stationary. Failure to keep Middle Clamping Nut stationary could result in connector/coax damage.

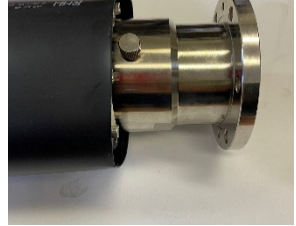


Clamping Hardware.



Basket Hardware

Step 10: Once connector has been assembled, ensure all clamping hardware and connector basket hardware is tight.



Step 11: Slide heat shrink over connector as shown. Using map gas or heat generator, apply heat to heat shrink. When heat shrink is installed correctly, adhesive will be visible on each end to the heat shrink. This will ensure proper weather proofing.