Wirenuts and Viewports
To attach the wire nuts, I started by separating out a wire.
I trimmed the wires about 1.5” past the flange.
The wires needed to be stripped, first with knife then sandpaper.
The feed through wires were also color coded with UHV compatible ceramic beads.
I gave the feed through wires a little slack compared to the coil leads.
This stripper worked better for the feed through wires.
Twist the wires together, in the direction that the nut will assist in the twisting.
Twist on the wire nut.
After each step, check to make sure the connection behaves as expected.
One of the 6-pin feed throughs is complete.
The top two are finished.
All 24 wire nuts are in place, and all electrical connections are sound.
The viewport at the input side.
I changed the 80-20 to support the end better, and to better access the join of the two chambers to tighten those nuts.