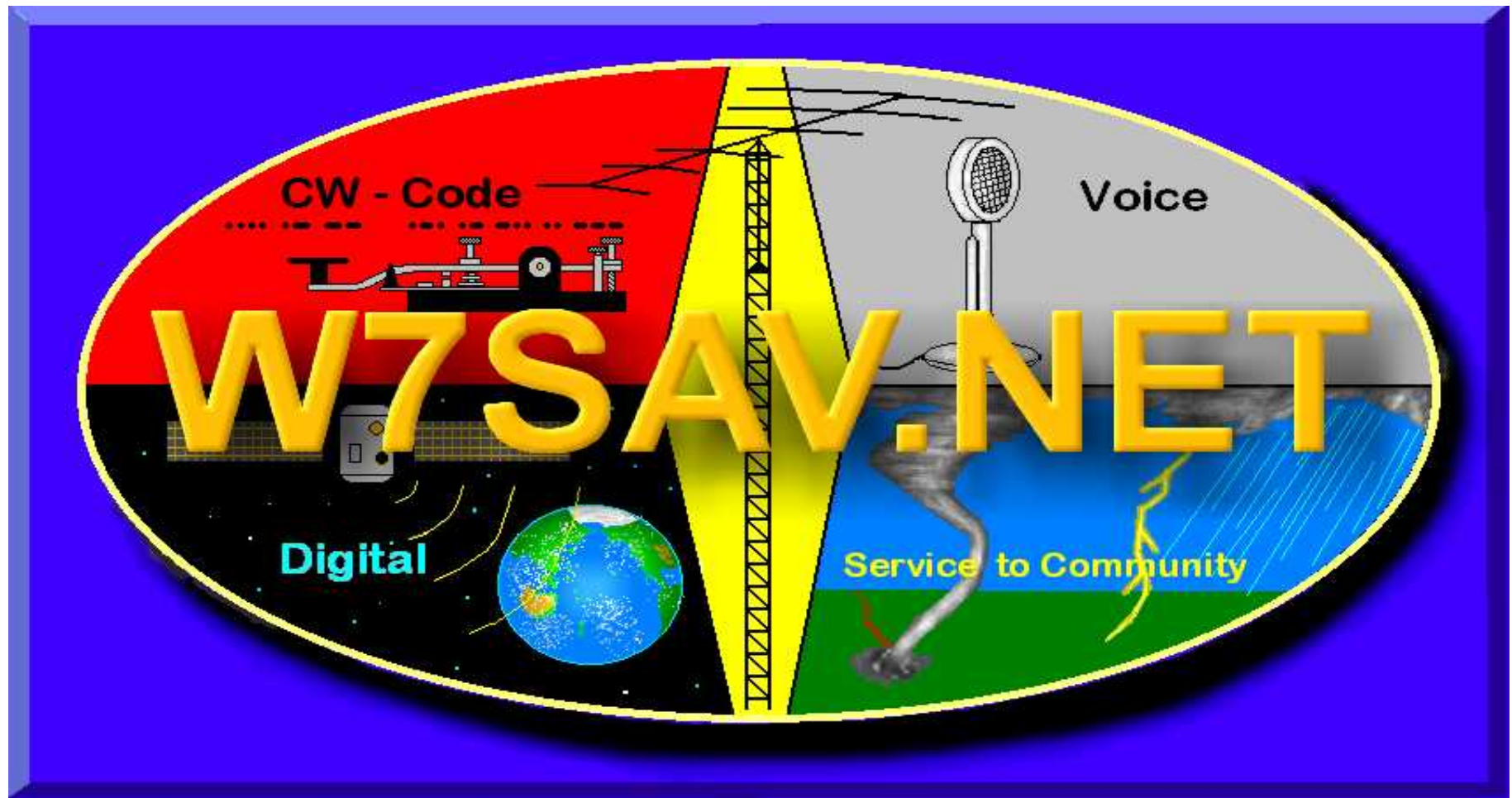


Lets build a cheap portable J-Pole antenna for 2 meters and they say it will work on 70 cm also.



Today we will build a 2 meter cheap J-Pole Antenna.
 They say it will work on 70 cm also.
 This antenna will be cut for 146.5 mhz center freq.
 Just follow along with the slides and we will
 gether done. Before starting please assemble the
 following items.



Cheap 300 ohm TV Twin
 lead, NO Shielding
 at least 55" long.



Solder iron and
 solder, ROSIN CORE



RG 58 is best but can
 use RG 8X
 desired length



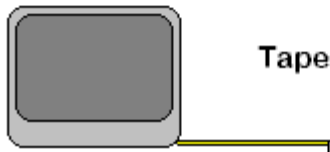
Electrical tape or heat
 shrink tubing



exacto knife or knife with very
 sharp small point



6 inches of string

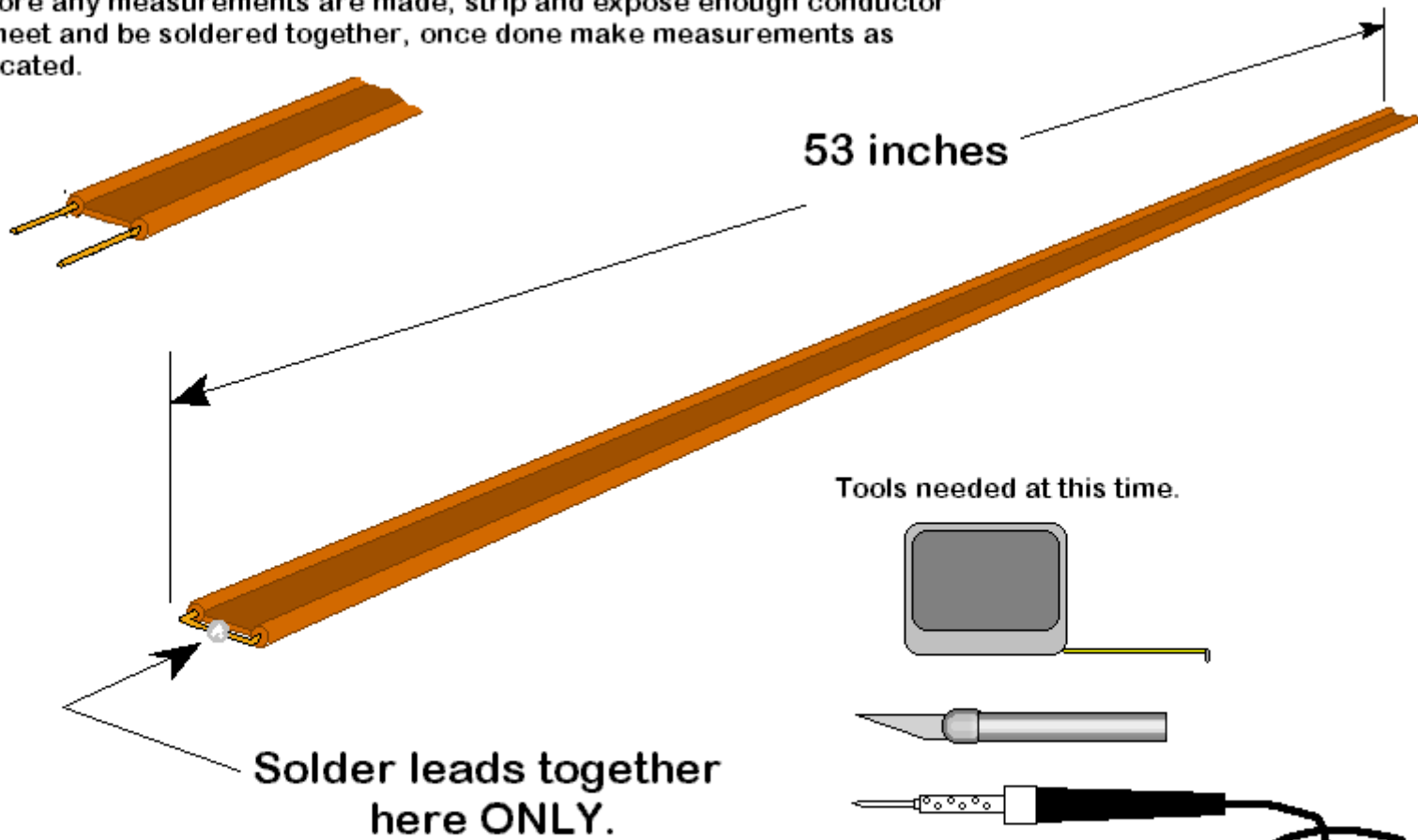


Tape measure

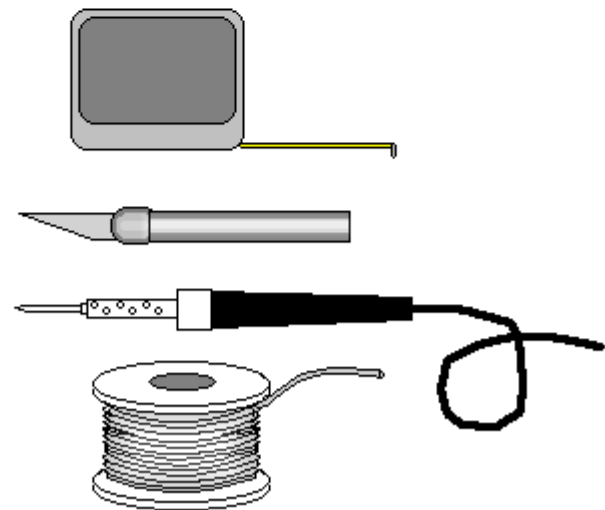


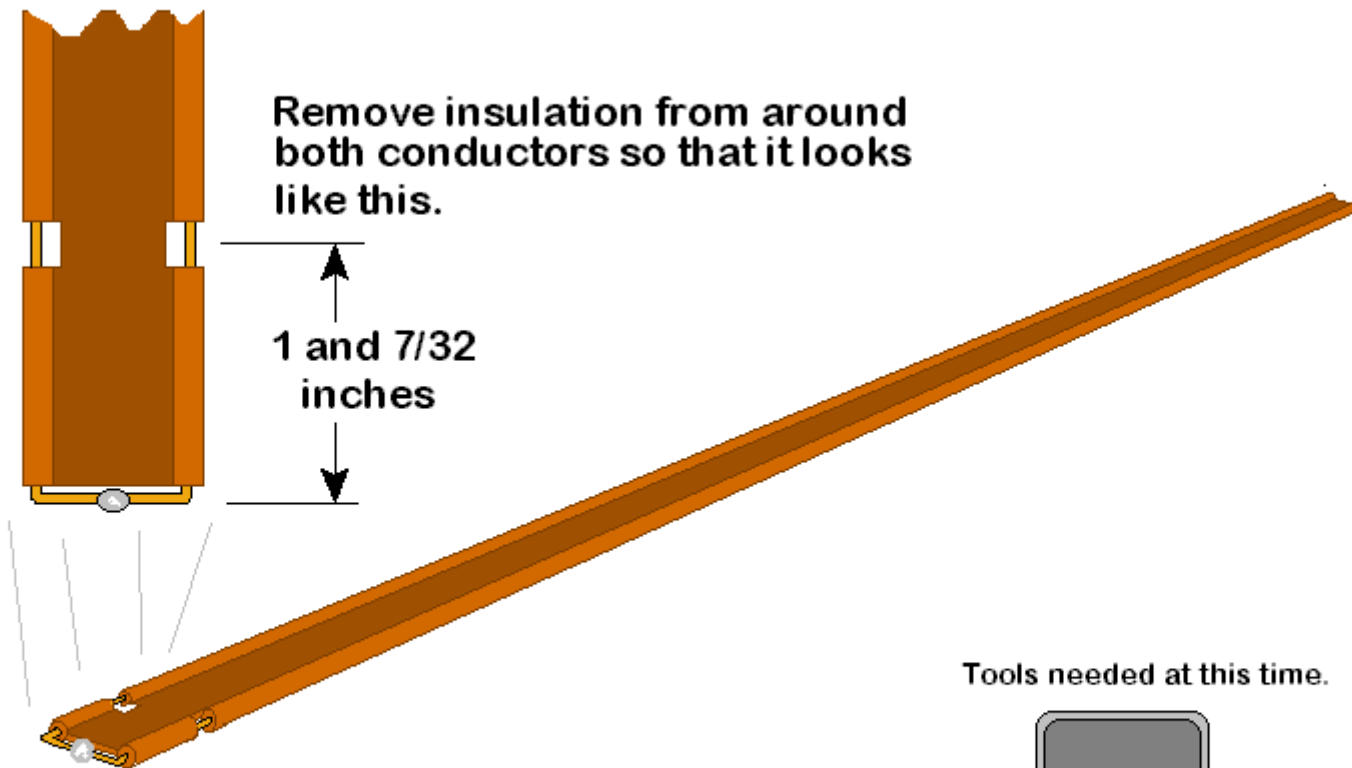
PL 259 Connector

Before any measurements are made, strip and expose enough conductor to meet and be soldered together, once done make measurements as indicated.

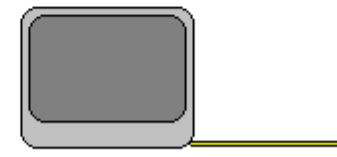


Tools needed at this time.



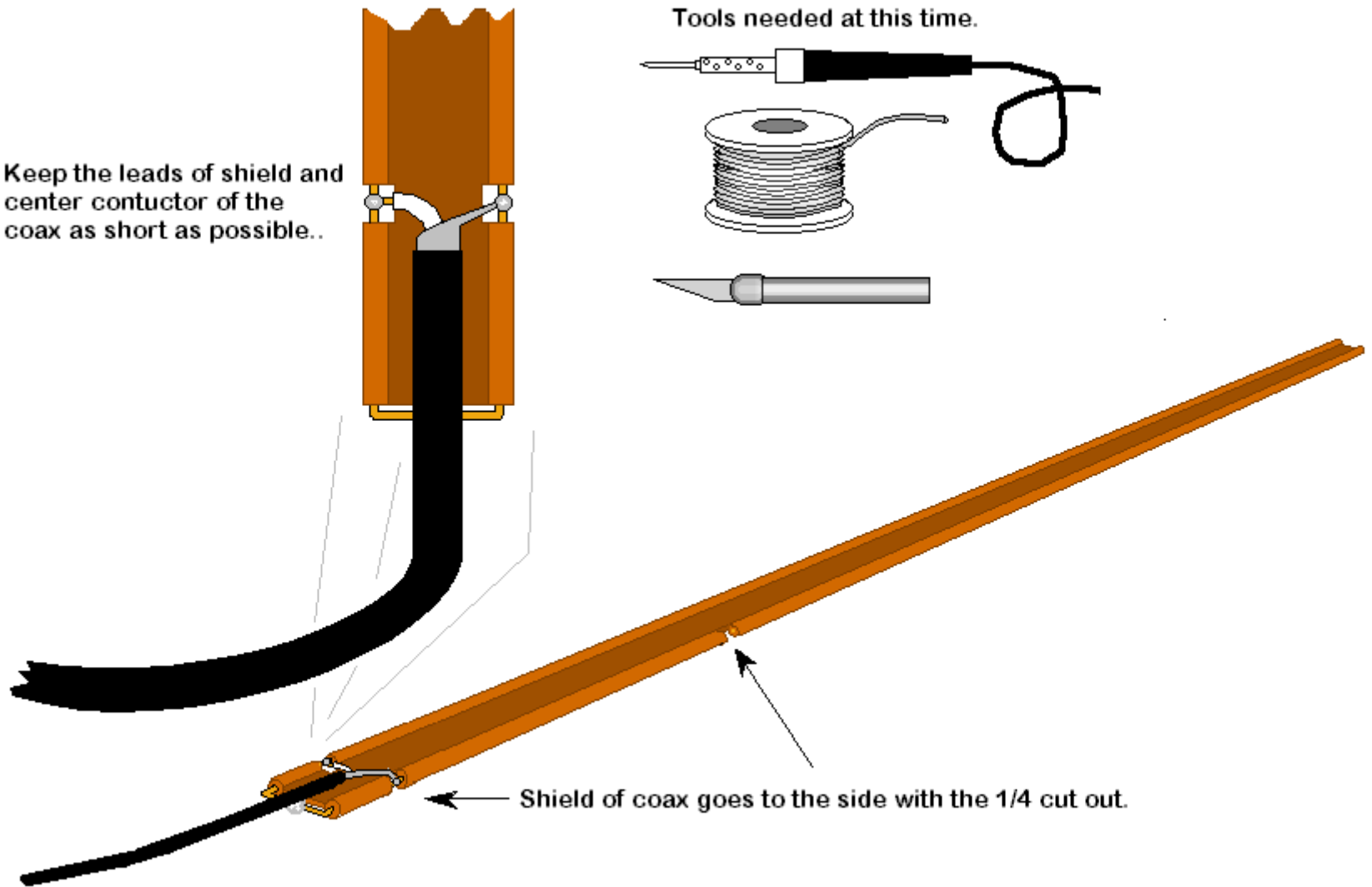
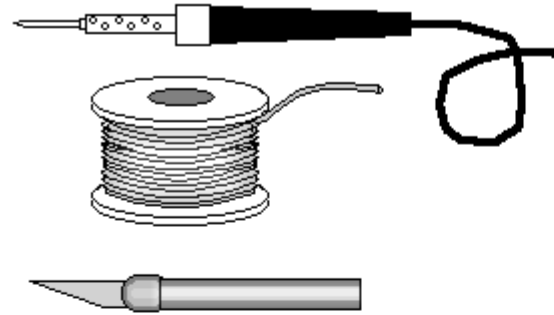


Tools needed at this time.

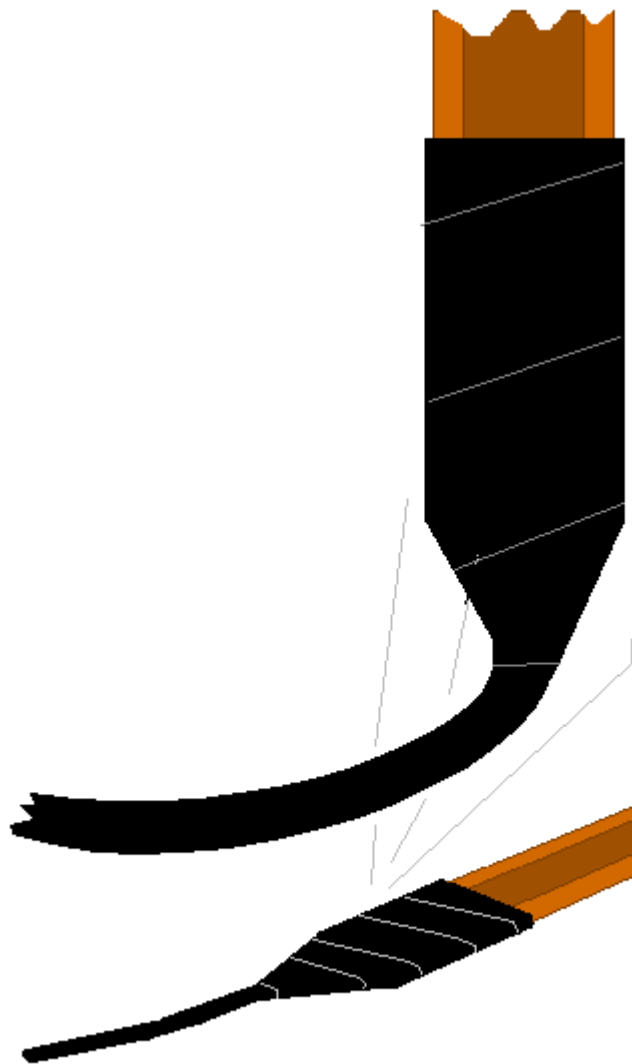


Keep the leads of shield and center conductor of the coax as short as possible..

Tools needed at this time.



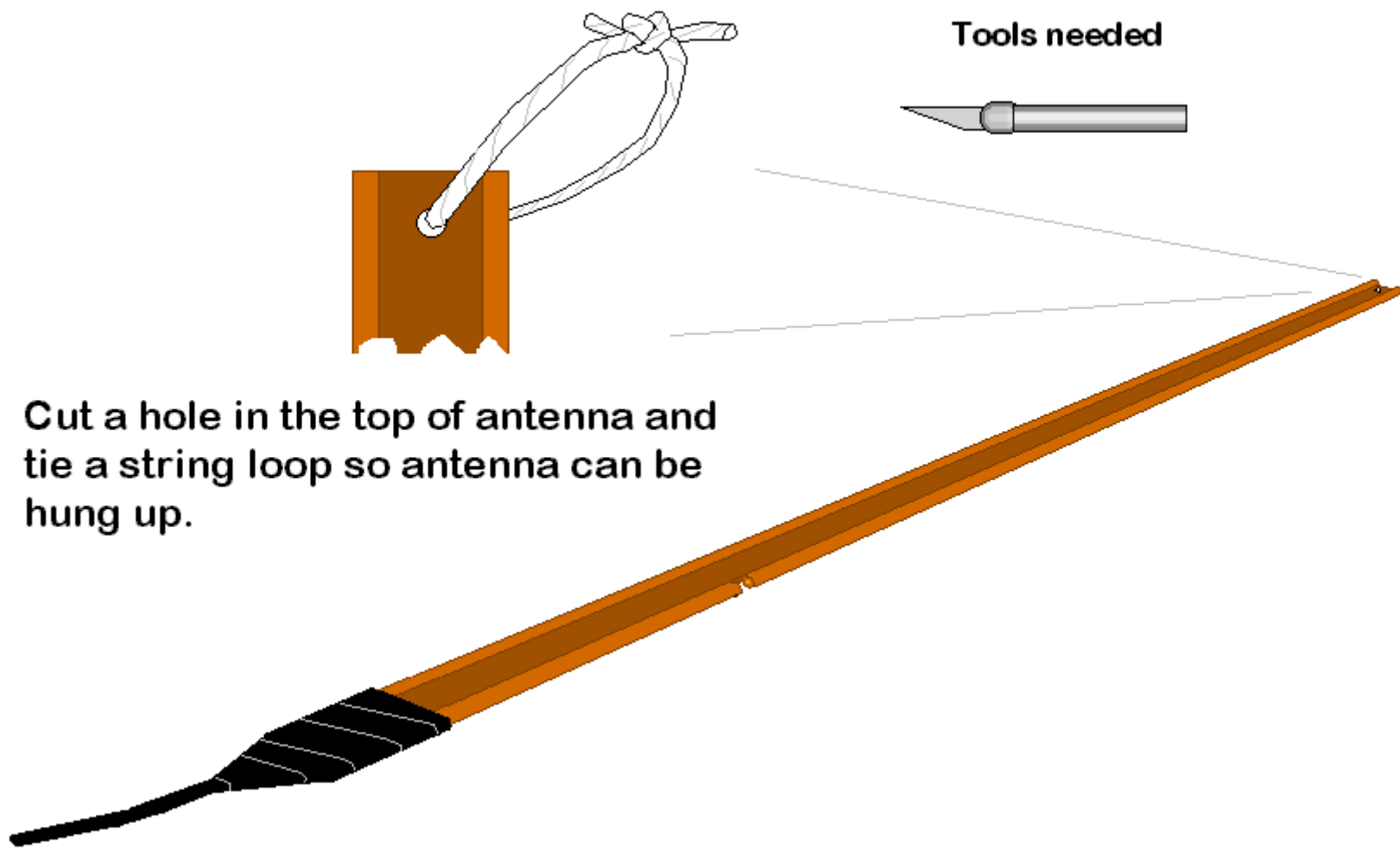
Shield of coax goes to the side with the 1/4 cut out.



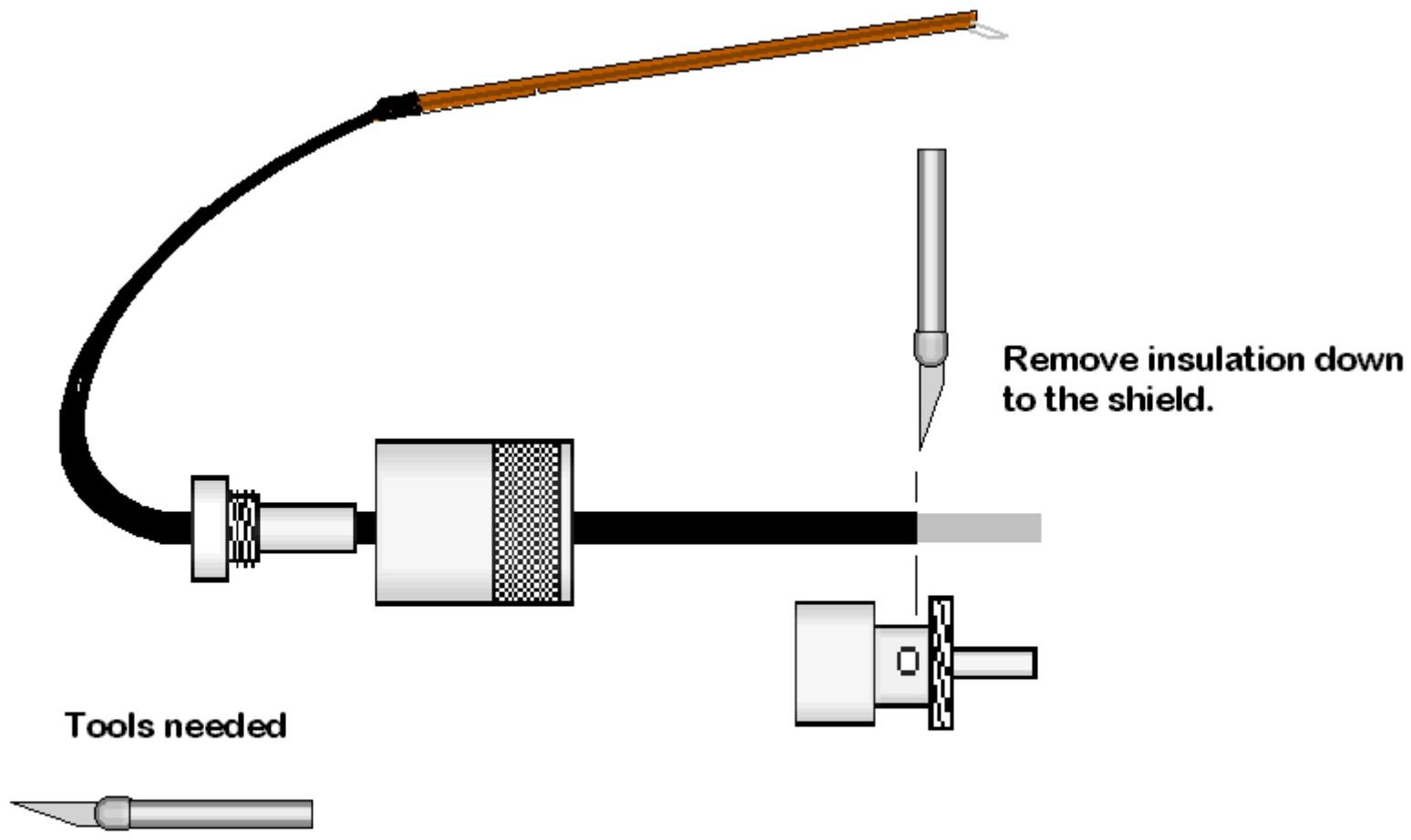
Tools needed at this time.



Tape coax to TV twin lead covering connection area.



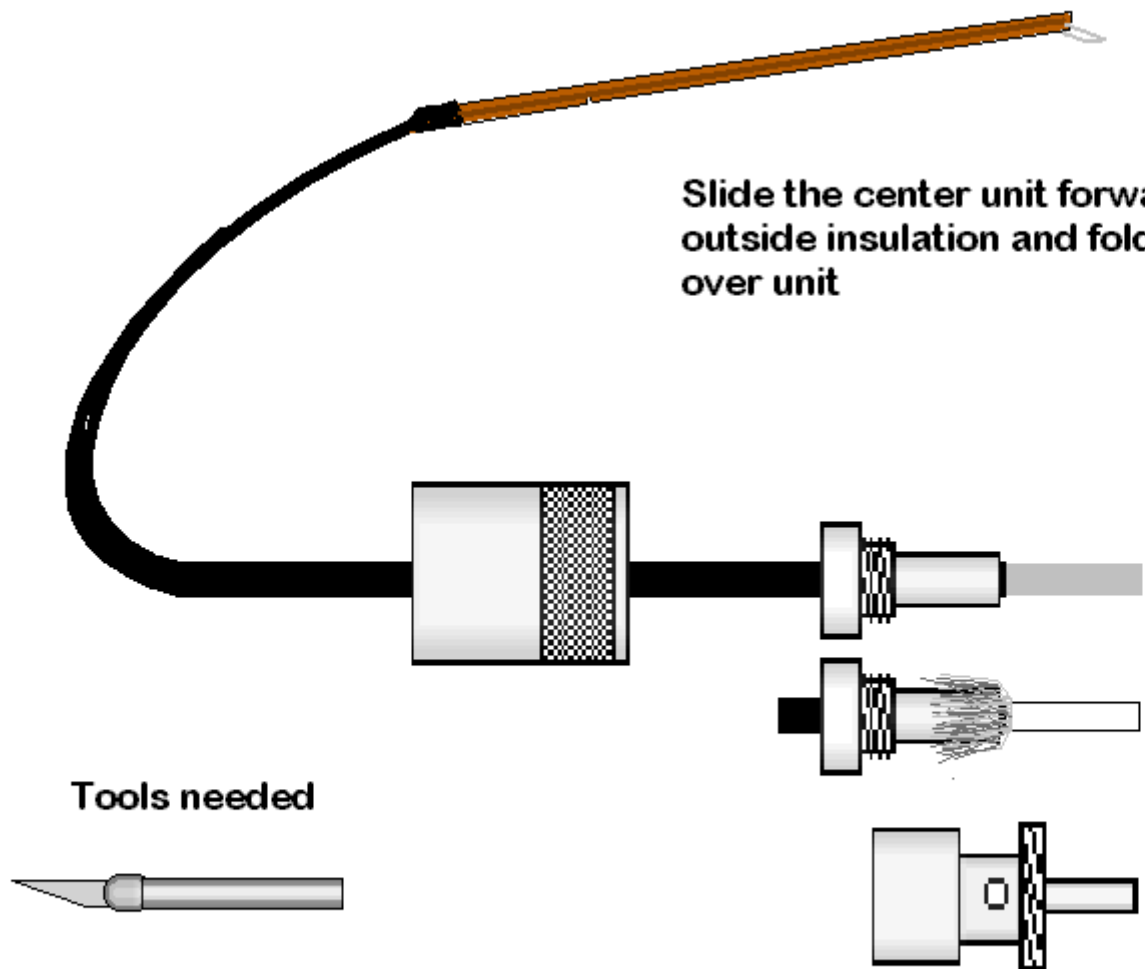
Cut a hole in the top of antenna and tie a string loop so antenna can be hung up.



Remove insulation down to the shield.

Tools needed

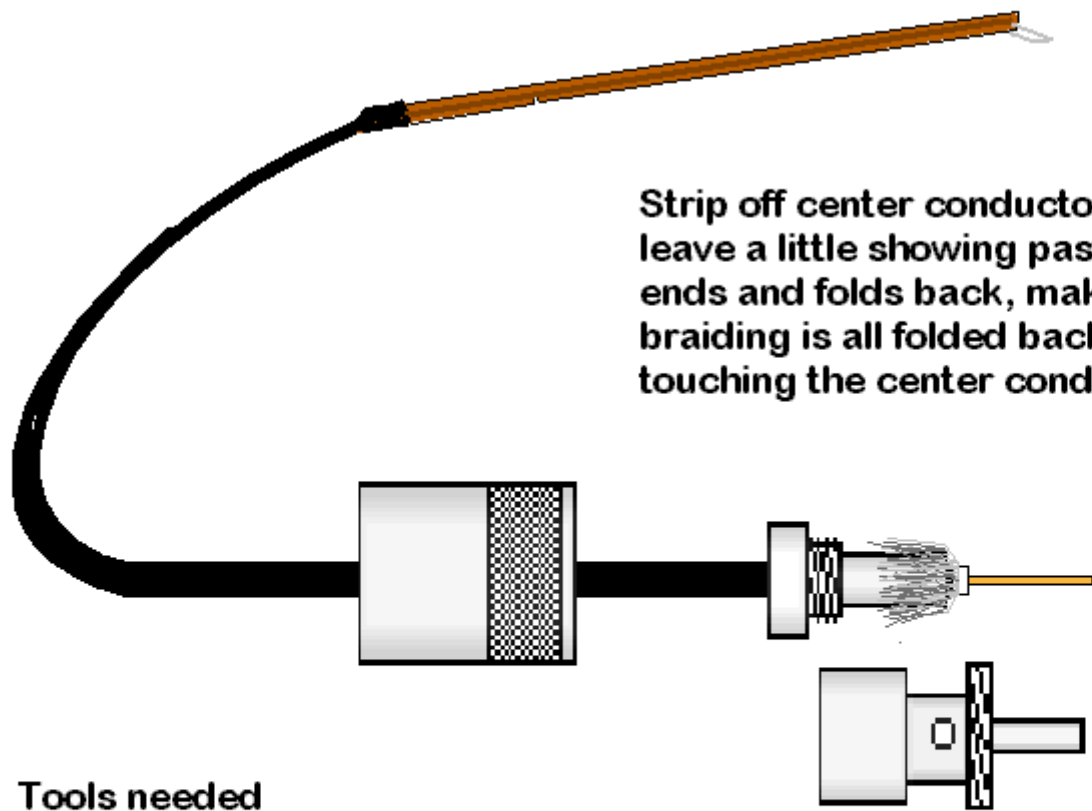




Slide the center unit forward to end of outside insulation and fold shield back over unit

Tools needed

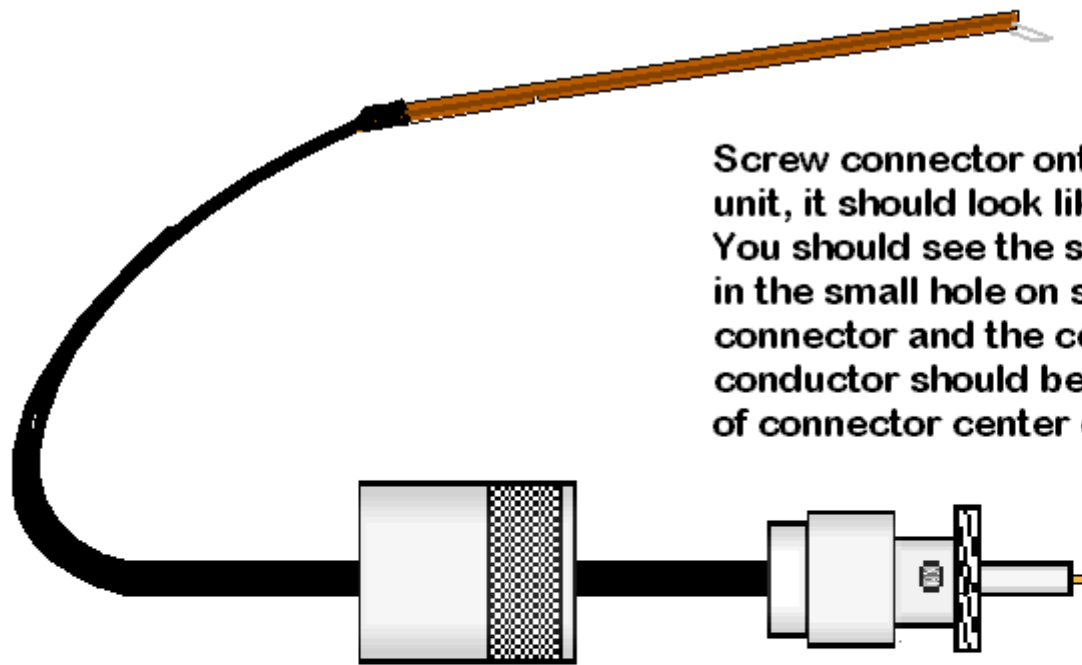




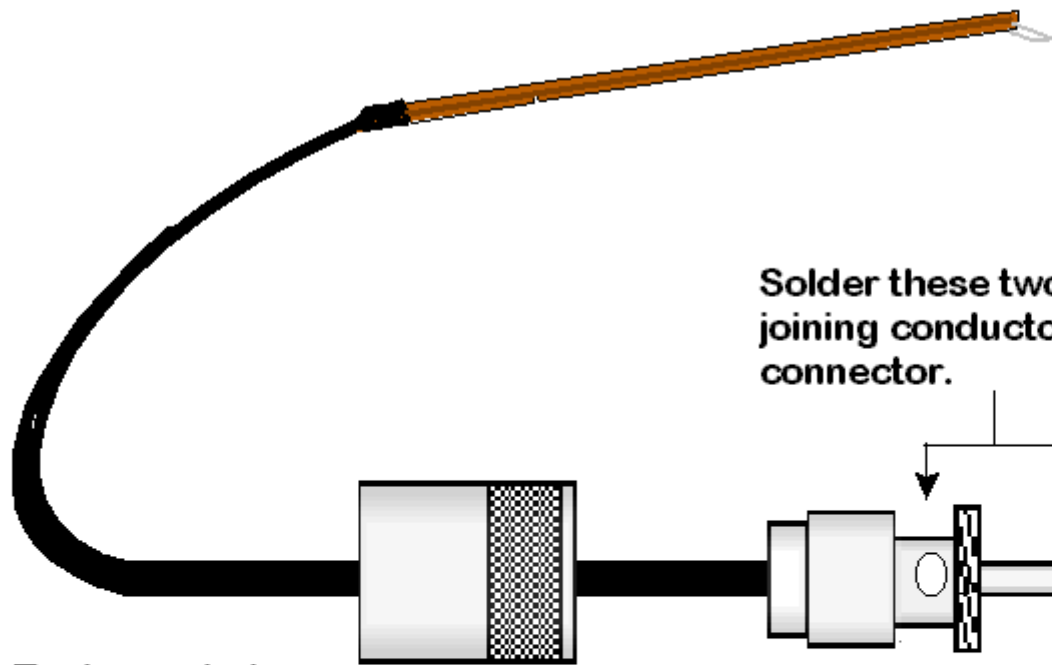
Strip off center conductor insulation, leave a little showing past where shield ends and folds back, make sure shield braiding is all folded back and not touching the center conductor.

Tools needed



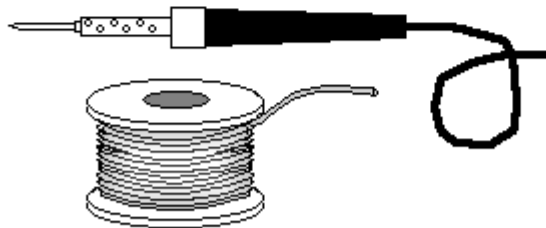


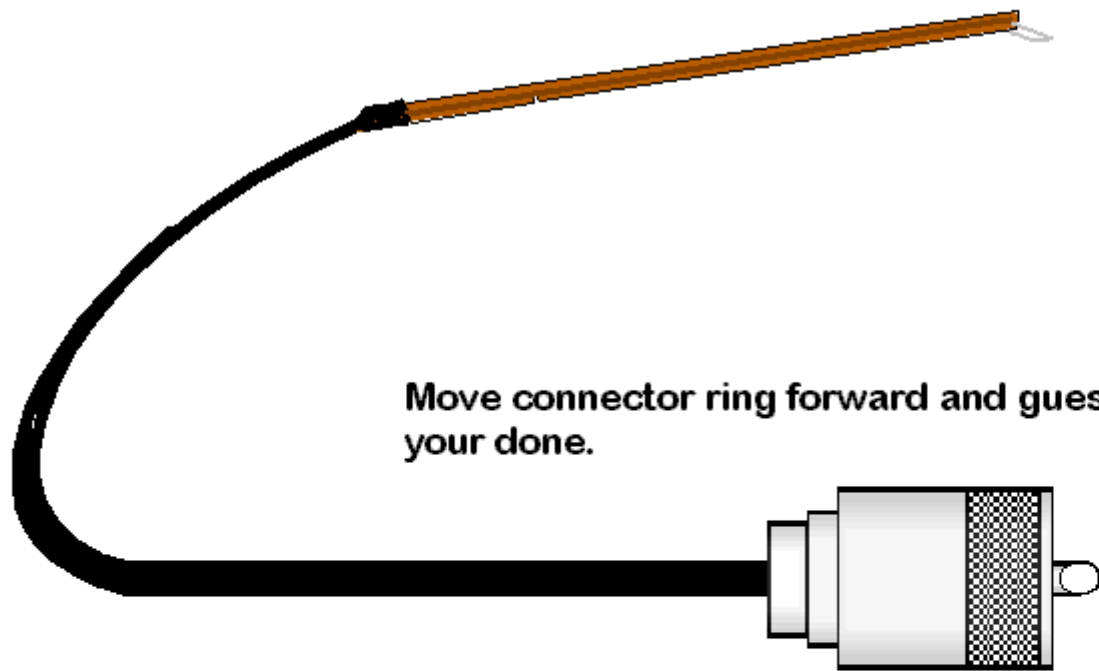
Screw connector onto center unit, it should look like this. You should see the shield strands in the small hole on side of connector and the center conductor should be peeking out of connector center contact.



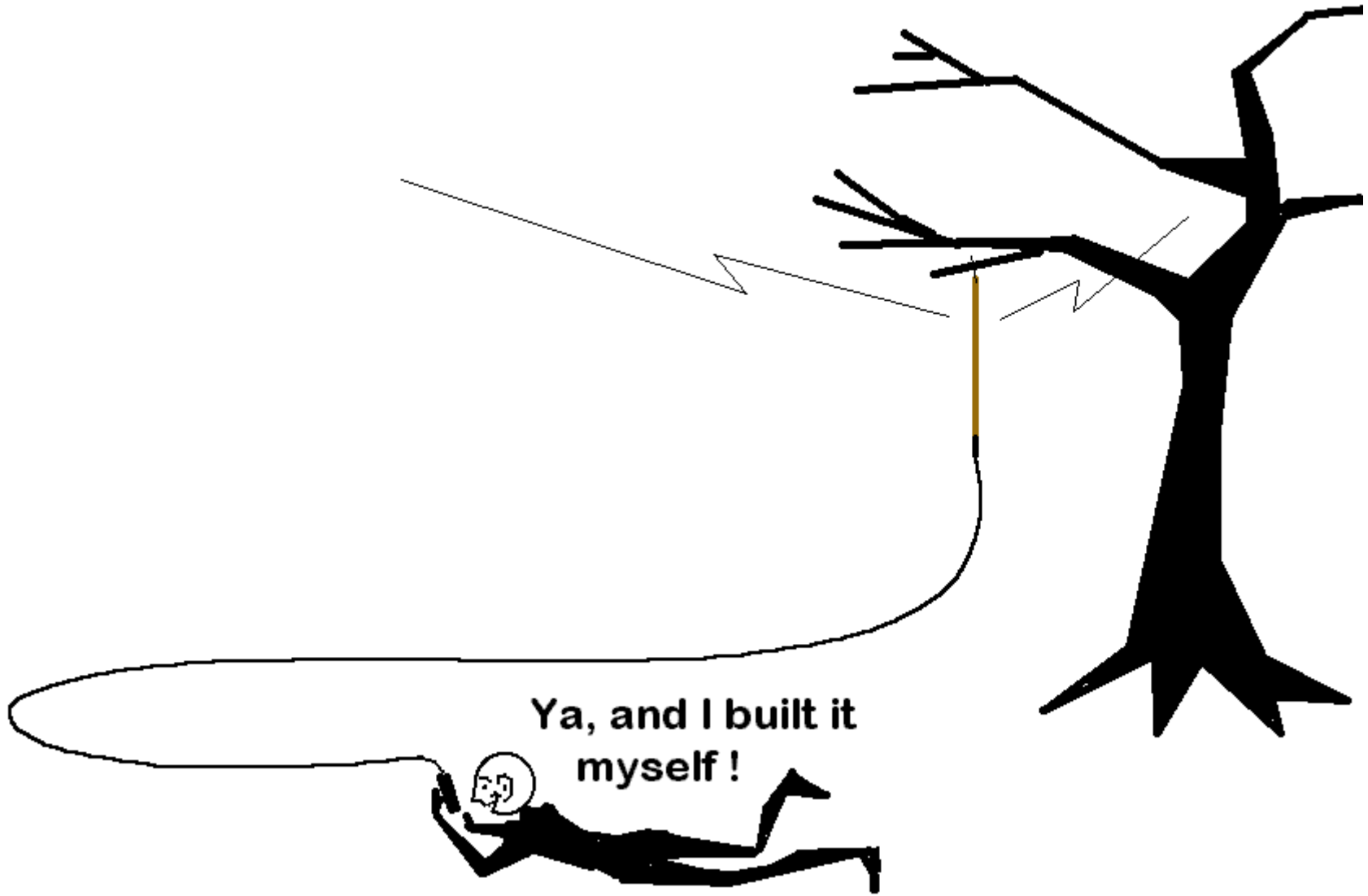
**Solder these two areas
joining conductors to the
connector.**

Tools needed





**Move connector ring forward and guess what, sheezamm
your done.**



Ya, and I built it myself!