

Improvised splicing of ½ inch Heliax to RG-213 cable.

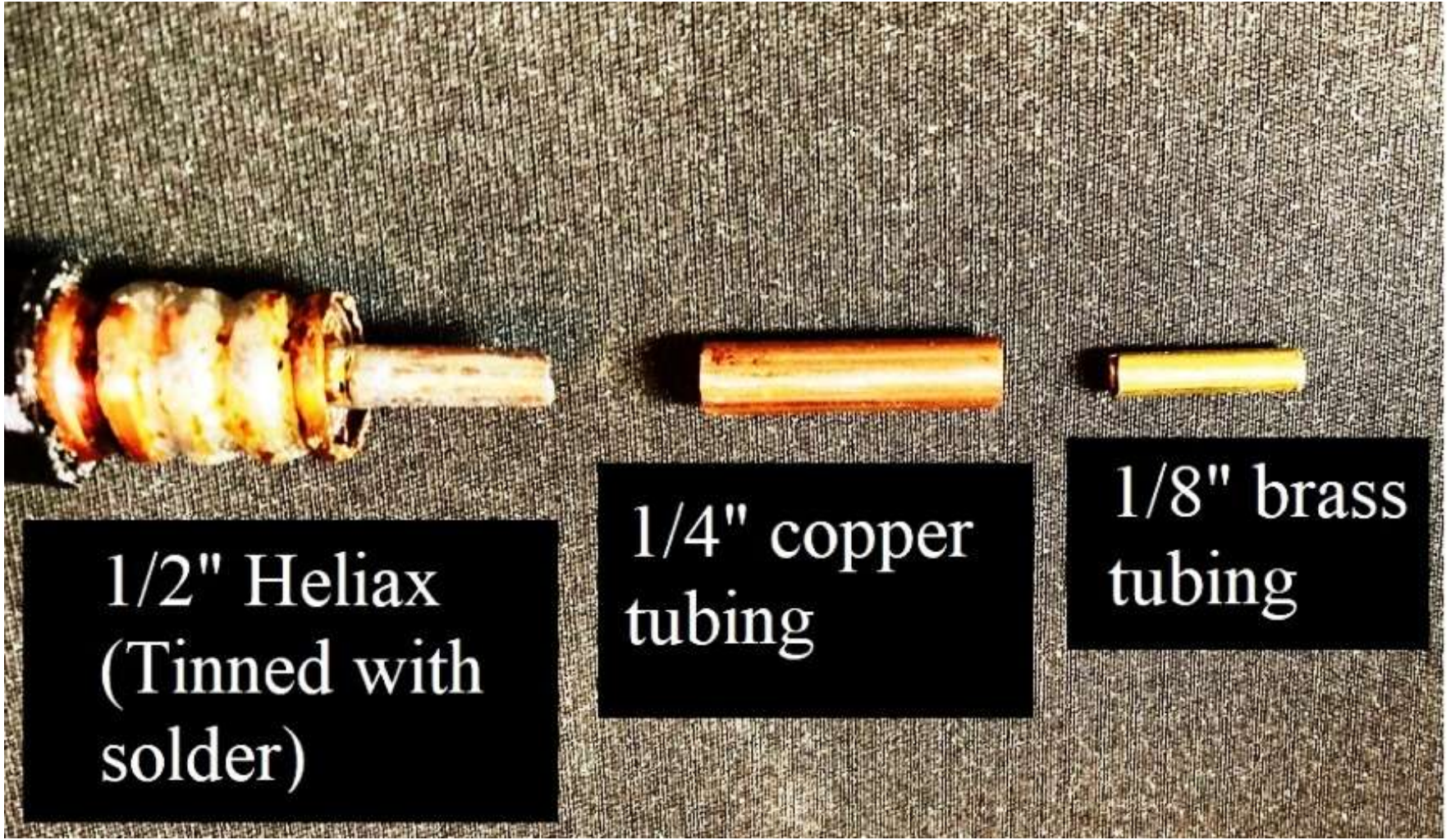
VE3ORY



Andrews 1/2 inch Heliax



Center conductor and a portion of the corrugated outer shield tinned with solder



1/2" Heliax
(Tinned with
solder)

1/4" copper
tubing

1/8" brass
tubing

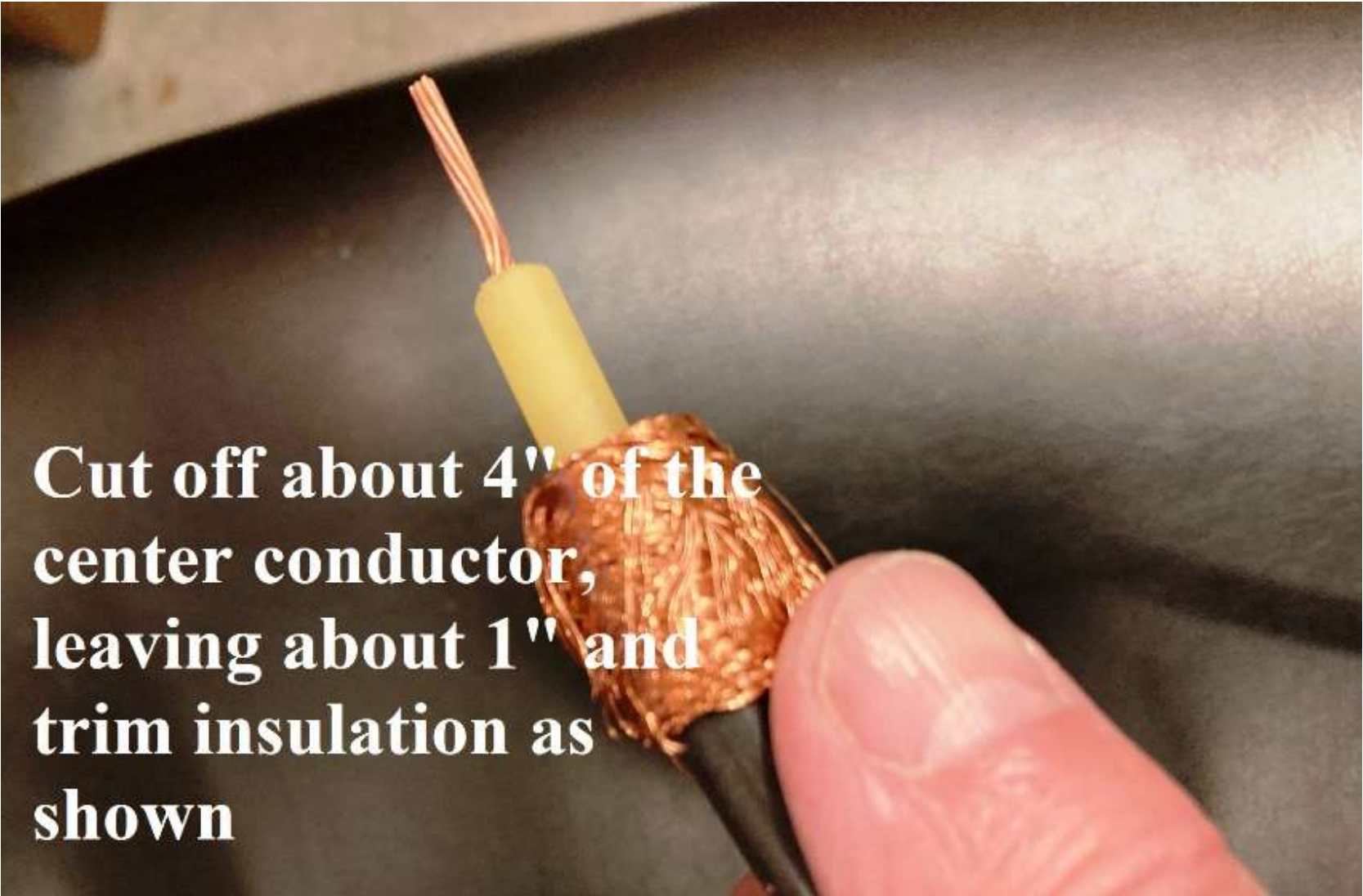


**Good quality RG-213
(95% braid)**

**Approx 5" of the
outer covering
removed**

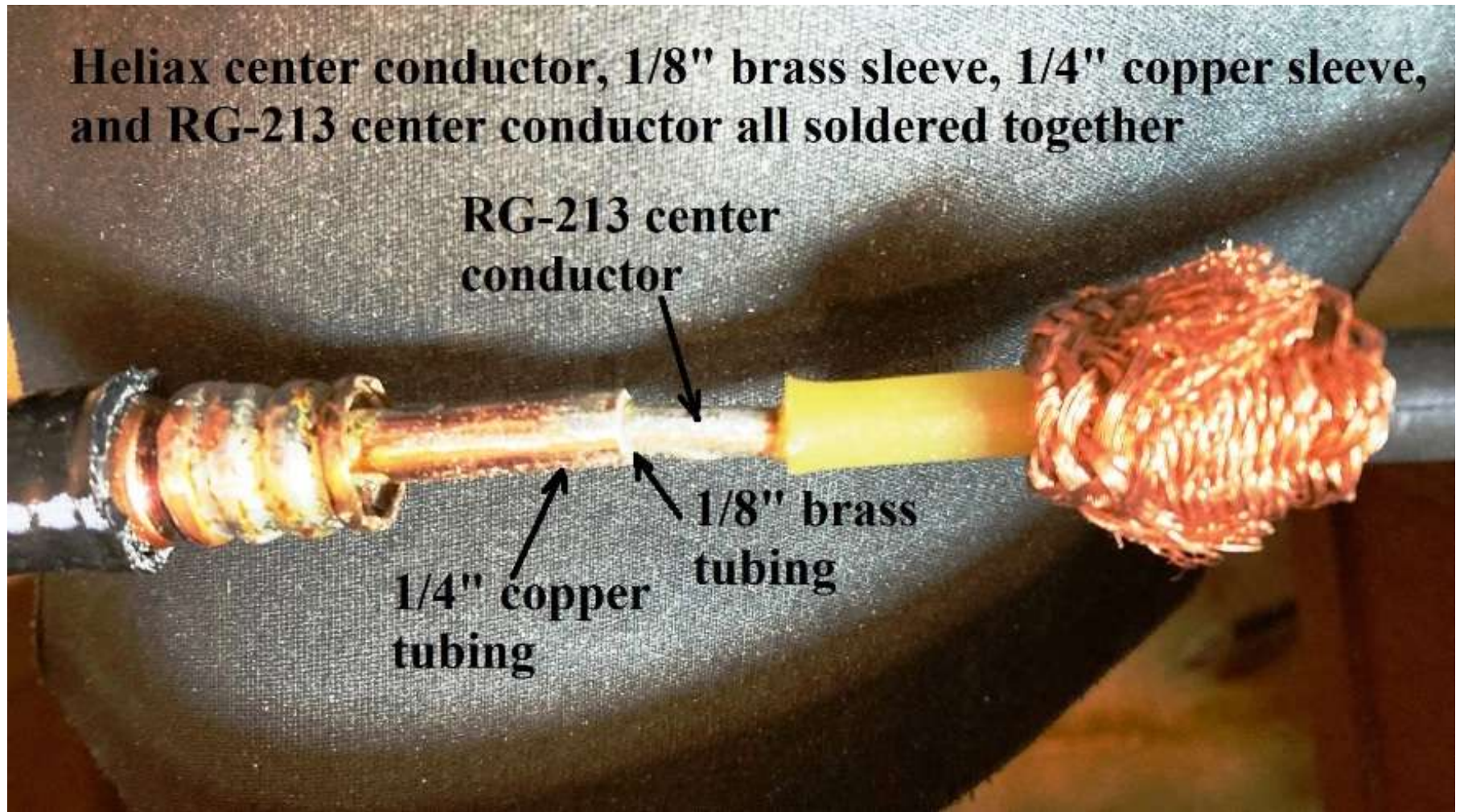


Braided shield rolled back as far as possible




Cut off about 4" of the center conductor, leaving about 1" and trim insulation as shown

**Helix center conductor, 1/8" brass sleeve, 1/4" copper sleeve,
and RG-213 center conductor all soldered together**





Section of RG-213 outer covering. Coat inside of covering and the center conductor with Epoxy. Wrap and tape to insulate the center conductor.



**RG-213 braided shield
rolled back over the
insulated center conductor
and soldered to the outer
copper shield of the Heliax**

The image shows a close-up of a coaxial cable connection. On the left, a black RG-213 coaxial cable is shown with its braided shield partially unrolled. This braided shield is being soldered to the outer copper shield of a Heliax coaxial cable on the right. The Heliax cable has a prominent copper braid. The center conductor of the RG-213 cable is visible, wrapped in a clear insulating material. The background is a dark, textured surface.

For mechanical and weather protection, I taped the whole assembly, layered it with Epoxy and slid a piece of 7/8" vinyl tubing over it. Sealed with additional Epoxy at both ends.

