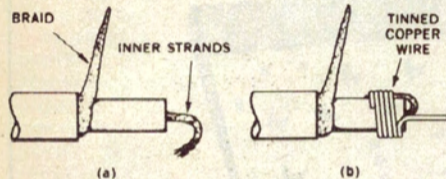


# Terminating Coaxial Cables



It is often a difficult job to produce neat, strong connections with co-axial cable, and the inner wires seem to break off with annoying frequency. A method of termination used in industry, but which may not be known to hobbyists, helps prevent this sort of failure.

The termination is made as follows:

1. With a sharp knife, cut around the outer insulation about an inch from the end, and remove it from the cable. Take care not to score or nick the copper braid.

2. With a spike or small screwdriver tease out the braid strands and twist them together to form a "tail" leaving the inner insulation revealed.

3. Strip off about  $\frac{1}{4}$  in. of inner insulation. One way of doing this without fear of damaging the inner strands of the wire is to run the tip of a hot soldering iron round the insulation — a rather smelly but effective method!

4. Fold the inner strands back along the insulation. The cable end should now be as

in Fig. (a).

5. Take a length of tinned copper wire (20 or 22SWG.) and wrap it tightly round the strands and insulation, leaving a piece projecting to provide the inner connections. See Fig. (b).

6. With a clean hot iron run solder round the tinned copper wire and inner strands.

7. Leave to cool, after which it will be found that the tinned copper wire has been soldered on to the inner strands and has also melted into the inner polythene insulation.

8. For additional protection a rubber sleeve can, if desired, be put over the inner connections to prevent any danger of the braid connection short-circuiting against it. (From "Radio-Constructor".)