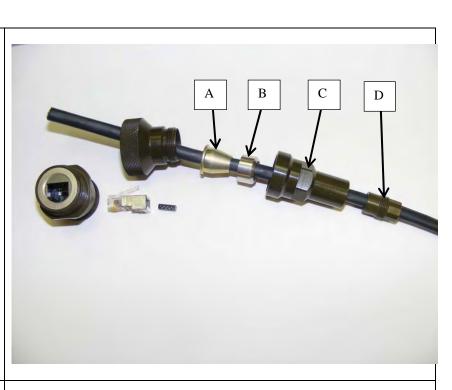


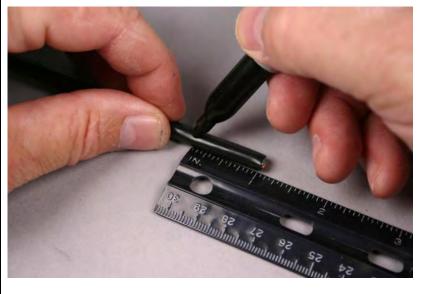
AOS ECRP IN-LINE PLUG R-JACK assembly components and their relative positions.

To assemble the AOS ECRP IN-LINE Plug connector, place the following members onto the cable oriented from left to right as follows:

- (a) Inner Wedge
- (b) Outer Wedge
- (c) Reap Cap Sub Assembly
- (d) Rear Cap (part of C above)

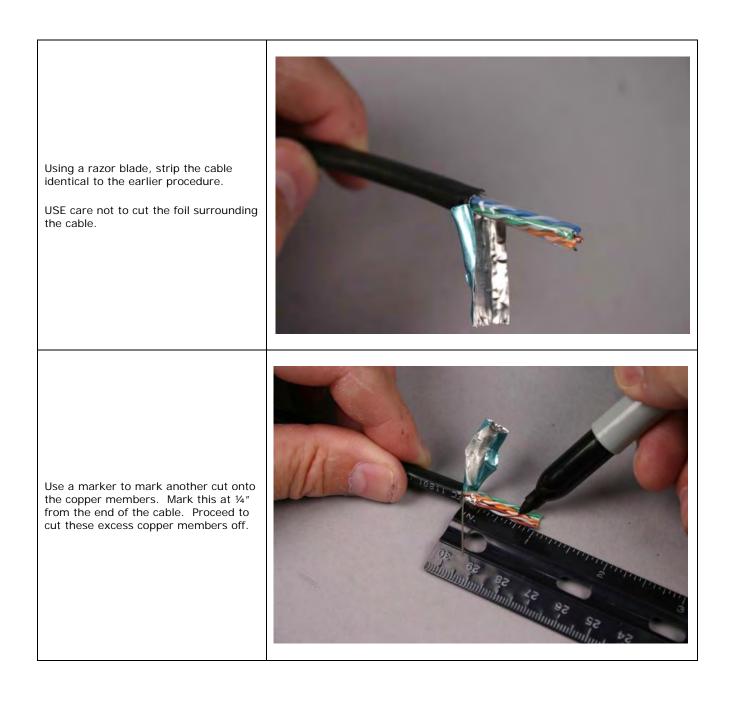
Ensure the hex nut feature on the back of the rear cap subassembly is positioned with threaded end toward Rear Cap Subassembly and flats toward the cable.





Mark a cut location on the cable 1" from the end.



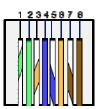




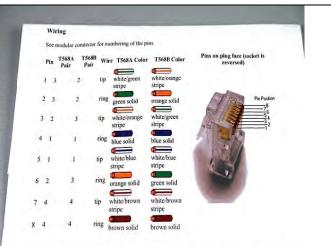
Locate the Shielded RJ45 jack. Turn the Jack upside down, exposing the copper fingers. Note that the common numbering scheme for the RJ45 jack (EIA/TIA-T568A and EIA/TIA-T568B) is 1 through 8, with the clip hook underneath.

The color code for wires and pin numbers for -T568A and -T586B are noted. For the applications of R-JACK the EIA/TIA T568A wiring scheme is used and is as follows;

EIA/TIA T568A



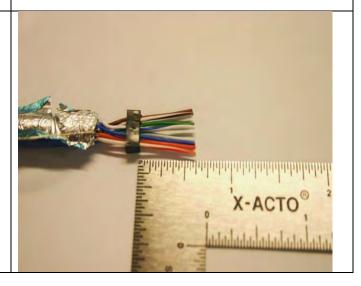
HOOK IS UNDERNEATH



Note that the only difference between T568A and T568B is that pairs 2 and 3 (orange and green) are swapped. Both configurations wire the pins "straight through", i.e., pins 1 through 8 en one end are connected to pins 1 through 8 on the other end. Also, the same sets of pins are paired in both

Route the 8 wires in order per T586A thru the black wire loom. The wire loom makes it much easier to successfully route all the wires into the RJ-45 connector.

Trim the wire ends to 5/8 inch from the wire guide and perpendicular to the cable. This makes insertion into the RJ45 the correct length.





Route the eight copper members in sequence into the rear of the RJ-45 jack. Ensure that all eight members remain in horizontal sequence as the wires are pushed up into the jack.

Once in place, use the RJ-45 crimp tool to completely

crimp the wire members in place.

