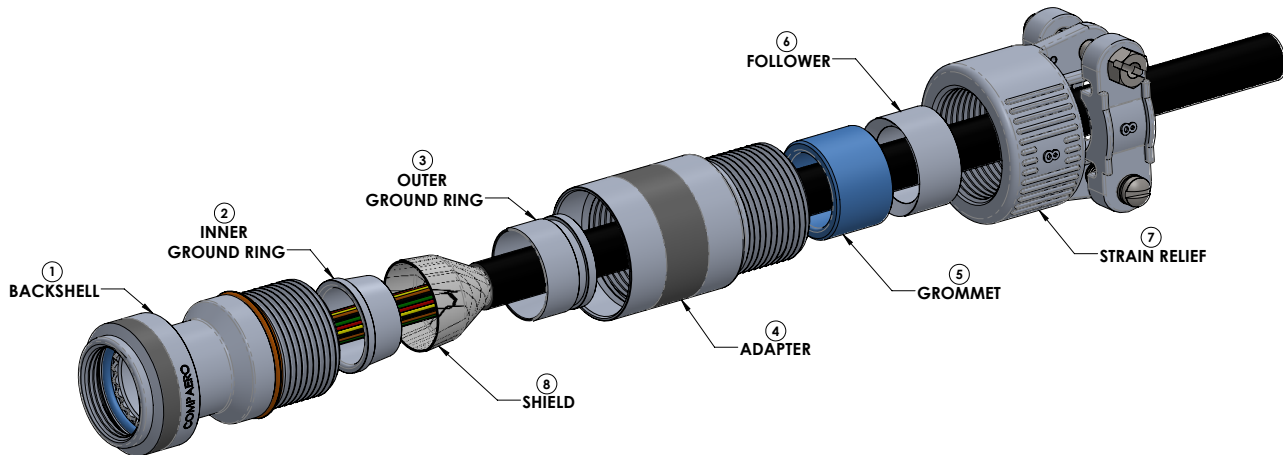


ASSEMBLY INSTRUCTIONS

SERIES 80 : Submersible EMI/RFI Cable Clamp Adapter, Environmental, Screened

COMPAERO

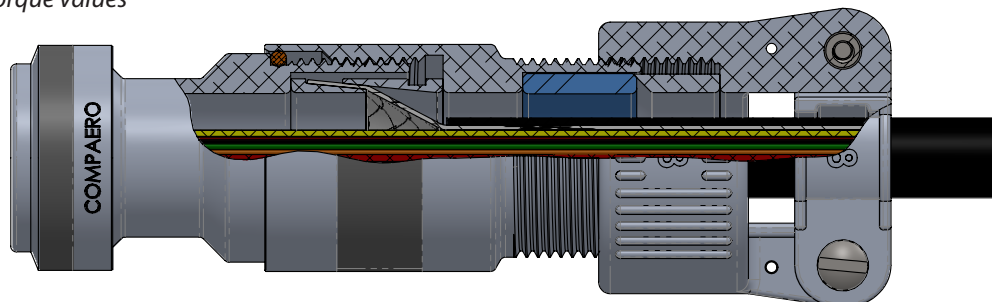


This guide outlines the general procedure for proper assembly and installation of Compaero's Series 80 backshells.

To ensure accurate fit and assembly, it is advisable to first use trial samples of the intended cable to determine suitable trim lengths for cable jackets, shielding, and conductors.

1. Begin by temporarily fitting backshell (1) onto the connector.
2. Slide all other assembly components—parts (2) through (7)—onto the cable in the order shown. Position them far enough from the cable end so they won't interfere during later assembly.
3. Insert the cable into backshell (1), pushing it forward until it bottoms out against the connector. While holding the cable in position, mark the jacket where it meets the rear edge of backshell (1).
CAUTION: If service loops or conductor crossovers are planned, be sure to allow extra cable length to accommodate these requirements.
4. Remove backshell (1) from the connector and place it onto the cable, followed by the components listed in step 2.
5. Trim the cable jacket and shield at the mark made earlier in step 3, taking care to factor in any additional length needed for loops or crossovers.
6. Expose the shield by stripping approximately 3/4 inch of the cable jacket from the trimmed end.
7. Prepare and terminate the individual cable conductors as per your standard termination process.
8. Reassemble backshell (1) onto the connector and tighten it firmly. Slide the inner ground ring (2) forward into the backshell.
9. Carefully push the cable forward so that the flared shield extends over the tapered section of the inner ground ring (2).
10. Position the outer ground ring (3) inside the backshell (1) so it sits over the shield.
11. Attach the adapter (4) onto the backshell and tighten it until secure.
12. Insert the grommet (5) followed by the follower (6) into the adapter (4).
13. Install the strain relief (7), secure it in place, and tighten the saddles over the cable jacket to ensure proper strain relief.

NOTE: Always use the appropriate tools for electrical connector assembly. Refer Compaero's circular backshell range catalog for recommended torque values



LOOSELY ASSEMBLED