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SH. 1 OF 1
COMPILED BY

TMC SPECIFICATION NO. S-456

TITLE: INSTALLATION INSTRUCTIONS FOR ESW CONNECTOR

JOB

APPROVED

J.E.G.

Use drawing "ESW" for reference.

1. Using a sharp tubing cutter, score cable approximately 3 inches from end. Do not cut through aluminum jacket.
2. Grip end of cable in vise and flex cable until the aluminum jacket fractures. Do not break styrene sleeve under jacket. Pull back on cable until about 1/8 inch of the styrene sleeve is exposed.
3. Using hot knife tool, cut styrene sleeve and helix down to center conductor flush with aluminum jacket. Pull off short end of jacket and styrene.
4. Cut off center conductor 2-1/2 inches from end of cable. Remove cutoff burr from center conductor.
5. Using emery cloth, clean outside of aluminum jacket approximately 3/8 inch from end. The emery cloth should be used in shoeshine fashion and all scratches and marks removed.
6. Apply templube 124 sparingly to O ring in sleeve.
7. Slide clamp ring over cable and coat cable jacket with anti-seize compound.
8. Push on wire coil so that coil is completely on cable and end of coil is approximately 3/8 inch from end of jacket.
9. Push sleeve over cable until wire end enters notch and engages thread. Turn sleeve clockwise making certain that wire is engaged in thread and is not turning with sleeve. Turn on sleeve until cable butts internal shoulder.
10. Push bead over center conductor with countersink facing outward. Apply templube 124 to small O ring and push it on center conductor. Push second bead on center conductor with countersink facing inward.
11. Place back-up plate over center conductor and push toward sleeve so that beads and back-up plate seat in sleeve counterbores.
12. Place adaptor ring in box counterbore. (On subsequent connectors the adaptor ring will be integral with the sleeve thus eliminating this step.)
13. Bring up sleeve assembly to box and place gasket over tapped holes in box.
14. Bring clamp ring up to box and clamp entire assembly with 4 bolts and lockwashers.