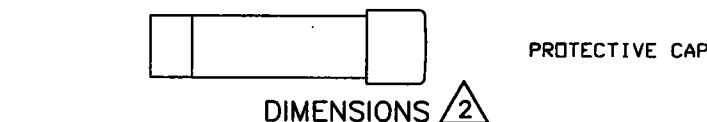
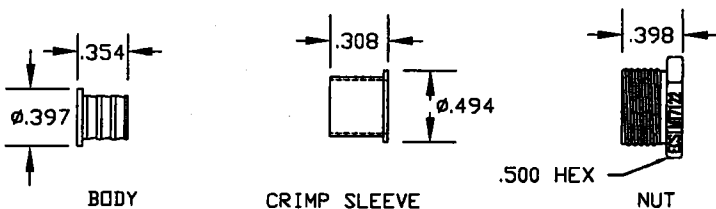


This print and associated documents and the contained information are the confidential property of ELECTRONIC CABLE SPECIALISTS. Disclosure of, and/or reproduction of, all of part thereof or manufacture of any part from information contained on this print not specifically permitted by ELECTRONIC CABLE SPECIALISTS in writing is forbidden.



**SPECIFICATIONS**

**ELECTRICAL**

IMPEDANCE: 50 OHMS NOMINAL  
 FREQUENCY RANGE: 0-6 GHz  
 VSWR: 1.70:1 MAXIMUM  
 INSERTION LOSS: 0.3 dB @ 6 GHz  
 DIELECTRIC WITHSTANDING: 2500 VRMS @ SEA LEVEL  
 WORKING VOLTAGE: 1000 VRMS @ SEA LEVEL  
 INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

**MECHANICAL**

MECHANICAL INTERFACE PER ARINC SPEC 600  
 FIGURE 19-54.6-1  
 TERMINATION STYLE: CENTER CONTACT-SOLDER OR CRIMP  
 CRIMP SLEEVE-FERRULE CRIMP

CABLE RETENTION: 30 LBS

**ENVIRONMENTAL**

TEMPERATURE RATING: -65° TO +200°  
 VIBRATION: MIL-STD-202, METHOD 204, COND. B  
 SHOCK: MIL-STD-202, METHOD 213, COND. I  
 THERMAL SHOCK: MIL-STD-202, METHOD 107, COND. B  
 CORROSION: MIL-STD-202, METHOD 101, COND. B  
 MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

**MATERIALS**

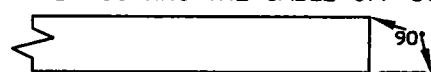
GASKET: SILICONE RUBBER PER ZZ-R-765  
 WASHER: BRASS PER ASTM B16  
 BODY: BRASS ASTM B16  
 CRIMP SLEEVE: ANNEALED, BRASS PER ASTM B16  
 CENTER CONTACT: BERYLLIUM COPPER PER ASTM B196  
 DIELECTRIC: TEFLON PER ASTM D1710

**FINISHES**

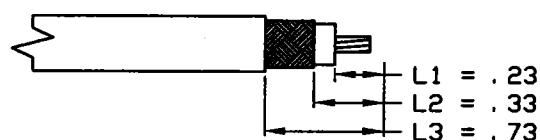
WASHER: GOLD PER MIL-G-45204  
 CRIMP SLEEVE: GOLD PER MIL-G-45204  
 CENTER CONTACT, BODY: GOLD PER MIL-G-45204

**INSTALLATION INSTRUCTIONS**

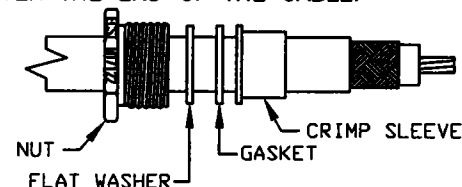
1. BEGIN BY CUTTING THE CABLE OFF SQUARE.



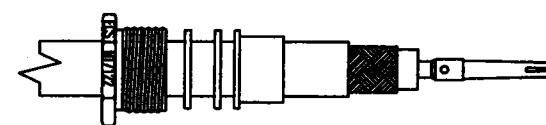
2. WHEN USING AUTOMATIC STRIPPING EQUIPMENT, STRIP CABLE AS SHOWN STARTING WITH L1 AND ENDING WITH L3. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. IF AUTOMATIC STRIPPING EQUIPMENT IS NOT AVAILABLE, STRIP ONLY L1 AND L3 AND TRIM EXCESS BRAID AT STEP 9.



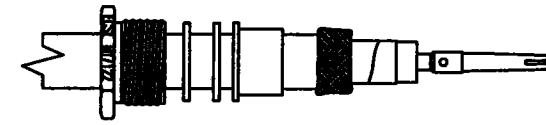
3. SLIDE THE NUT, FLAT WASHER, GASKET, AND CRIMP SLEEVE OVER THE END OF THE CABLE.



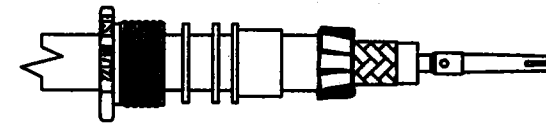
4. SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER. ENSURE THE CONTACT IS BUTTED AGAINST THE CABLE DIELECTRIC. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER.



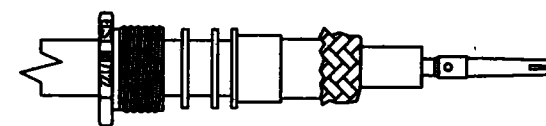
5. USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.



6. SLICE THE ALUMINUM/POLYESTER FOIL LENGTHWISE ABOUT EVERY 1/8". USING TWEEZERS, FOLD BACK ALUMINUM/POLYESTER FOIL OVER THE OUTER BRAID.

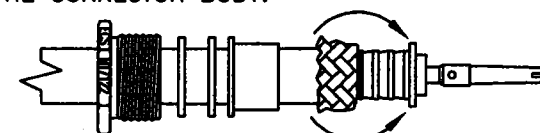


7. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER SHIELDS, LEAVING AS MUCH WEAVE AS POSSIBLE.

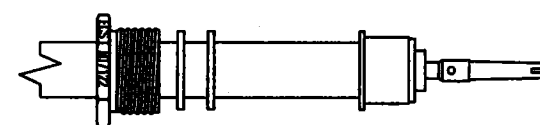


REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
13938		N/C	NEW RELEASE.	7/16/01	D KNOLL
14584	3C	A	CORRECT STRIP LENGTHS	10/4/01	D E Knoll

8. SLIDE THE BODY OVER THE END OF THE CABLE UNTIL IT IS FIRMLY SEATED AGAINST THE END OF THE CABLE JACKET. FOLD THE SHIELDS OVER THE CONNECTOR BODY.

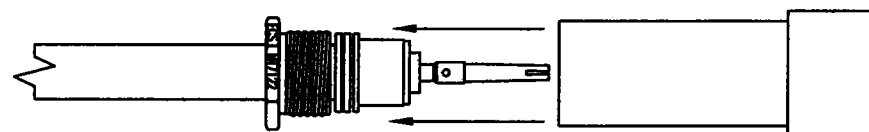


9. WHILE MAINTAINING PRESSURE ON THE CONNECTOR BODY SLIDE CRIMPING SLEEVE OVER SHIELD UNTIL IT CONTACTS THE SHOULDER OF THE CONNECTOR BODY. IF NECESSARY SLIDE THE CRIMPING SLEEVE BACK SLIGHTLY AND TRIM EXCESS BRAID



10. VERIFY THAT .090 TO .10 OF THE DIELECTRIC PROTRUDES THROUGH THE BODY ON THE CENTER CONTACT SIDE. WITH CRIMPING SLEEVE SEATED AGAINST THE SHOULDER OF THE BODY, CRIMP THE CRIMPING SLEEVE ONTO THE BODY USING HAND TOOL M22520/5-01 AND DIE Y804 (DANIEL'S P/N).

11. SLIDE THE GASKET, WASHER, AND NUT TOWARD THE CABLE END AND SCREW PROTECTIVE CAP ONTO THE NUT.



**NOTES**

- ALL DIMENSIONS ARE IN INCHES.
- CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.
- PICTORIALS SHOW CONNECTOR INSTALLATION ON ECS 311901 CABLE. WHEN INSTALLING THIS CONNECTOR ON 3C142B OR 3C058A THERE ARE ONLY 2 BRAID SHIELDS WHICH SHOULD BE FOLDED BACK AS SHOWN IN STEP 5 AND STEP 6 WOULD BE OMITTED.

ALL LENGTHS IN INCHES		ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300	
APPROVALS	DATE	TITLE: CUSTOMER SPECIFICATION	
DRAWN BY: E. FOSSELL	06/28/01	SIZE 1, ARINC 600 RF TERMINATION KIT FOR ECS CABLE 311901, 3C058A, 3C142B	
CHECKED BY: C CHAPMAN	7/10/01	SIZE	CAGE CODE
DESIGNED BY:		B	66197
PROJECT ENG:		LEVEL	PART NO.
ENG. MGR: DAVID E KNOLL	7/16/01		MT7122
SCALE:		SHEET: 1 OF 1	