

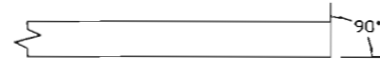
This print and associated documents and the contained information are the confidential property of ELECTRONIC CABLE SPECIALISTS. Disclosure of, and/or reproduction of, all or part thereof or manufacture of any part from information contained on this print not specifically permitted by ELECTRONIC CABLE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

\*\*\*\* EXPORT CONTROLLED DOCUMENT - EAR \*\*\*\*  
The information in this document is subject to the export controls in accordance with the export administration regulations. Diversion contrary to U.S. Law is prohibited.

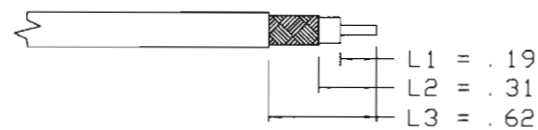
REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
56861		N/C	NEW RELEASE	10/7/15	cm

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.



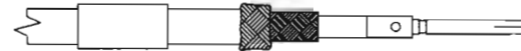
3. SLIDE THE FERRULE AND ADHESIVE SHRINK TUBING OVER THE END OF THE CABLE



4. SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL-STD-2000, USING 63Sn/37Pb SOLDER OR CRIMP WITH M22520/5-59 DIE (B HEX). 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.

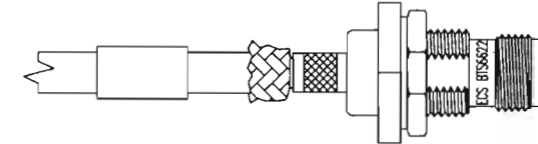


6. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OUTER SHIELD, LEAVING AS MUCH WEAVE AS POSSIBLE.

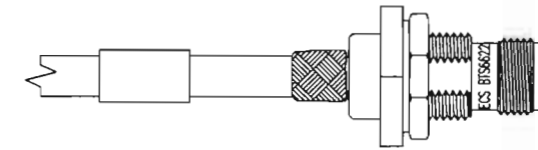


7. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR.

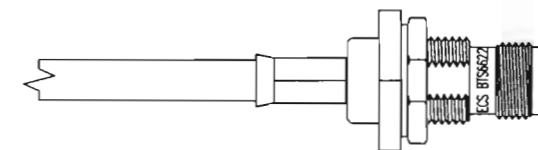
CAUTION: PUSH CABLE INTO THE CONNECTOR STRAIGHT TO AVOID KINKING THE CABLE.



8. FOLD ALL BRAIDS OVER THE NECK OF THE CONNECTOR BODY.



9. SLIDE THE FERRULE UP OVER THE SHIELDS AND AGAINST THE CONNECTOR BODY. TRIM AWAY ANY EXCESS BRAID. CRIMP THE FERRULE ONCE, NEXT TO THE BODY, USING AN M22520/5-59 DIE (A HEX) IN A M22520/5-01 TOOL FRAME. APPLY ADHESIVE HEAT SHRINK.



NOTES

- ALL DIMENSIONS ARE IN INCHES.
- ENSURE HEAT SHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR.
- ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION W1007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.
- CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.
- INSTALL MOUNTING SEAL, LOCK WASHER AND JAMNUT IN ORDER SHOWN.

D

D

C

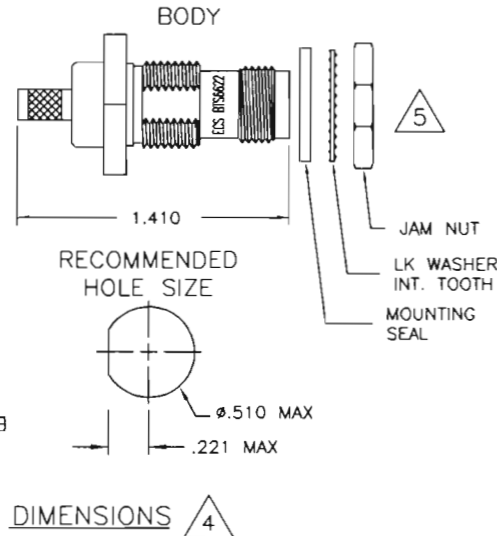
C

B

B

A

A



SPECIFICATIONS

ELECTRICAL

IMPEDANCE: 50 OHMS NOMINAL  
FREQUENCY RANGE: 0-11 GHz  
VSWR: 1.2:1 MAXIMUM DC TO 2GHz  
INSERTION LOSS: .1dB MAXIMUM DC TO 2GHz  
WORKING VOLTAGE: 500 VRMS @ SEA LEVEL  
DIELECTRIC WITHSTANDING: 1500 VRMS @ SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

MECHANICAL

CONNECTOR INTERFACE DIMENSION PER MIL-STD-348B  
FIGURE 313-2

TERMINATION STYLE: INNER CONTACT-SOLDER OR CRIMP  
OUTER CONTACT-FERRULE CRIMP

CABLE RETENTION: 40 LBS

ENVIRONMENTAL

TEMPERATURE RATING: -65° TO +165° C  
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

BODY, JAMNUT: BRASS PER ASTM B16  
FERRULE: ANNEALED BRASS PER ASTM B16 OR COPPER PER ASTM B124  
CENTER CONTACT: BERYLLIUM COPPER PER ASTM B196  
DIELECTRIC: TEFLON PER ASTM D1710  
MOUNTING SEAL: SILICONE RUBBER PER A-A-59588A

FINISHES

BODY, FERRULE: BRIGHT NICKEL PER SAE-AMS-QQ-N-290  
CENTER CONTACT: GOLD PER MIL-DTL-45204  
JAMNUT, LOCK WASHER: BRIGHT NICKEL PER SAE-AMS-QQ-N-290

ALL LENGTHS IN INCHES		<b>CARLISLE</b> Carlisle Interconnect Technologies Franklin, WI 53132 414-421-5300	
APPROVALS	DATE	TITLE: <b>CUSTOMER SPECIFICATION</b>	
DRAWN BY: CRAIG KULAS	10/7/15	TNC BULKHEAD JACK FOR ECS CABLE 361601	
CHECKED BY: R. Lay	10/7/15	SIZE: B	CAGE CODE: 66197
DESIGNED BY: C CHAPMAN	10/7/15	LEVEL:	PART NO. <b>BTS6622</b>
PROJECT ENG: C Chapman	10/7/15	SCALE:	EFFECTIVITY:
ENG. MGR: C. Lay	10/7/15	SHEET: 1 OF 1	