

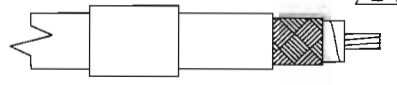

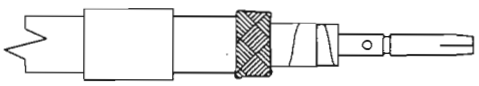
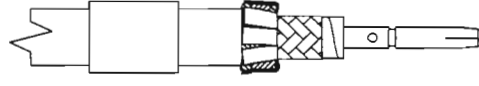



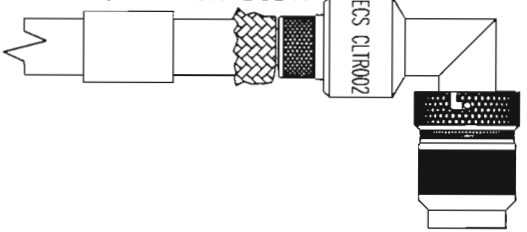
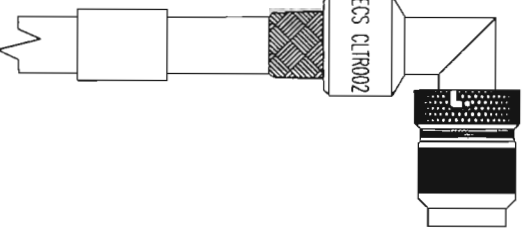
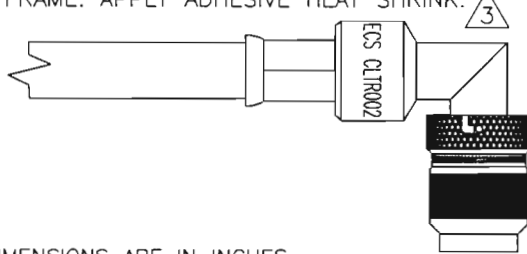
This print and associated documents and the contained information are the confidential property of ELECTRONIC CABLE SPECIALISTS. Disclosure of, and/or reproduction of, all or part thereof or manufacture of any part from information contained on this print not specifically permitted by ELECTRONIC CABLE 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
58850		N/C	NEW RELEASE	5/2/16	CHC

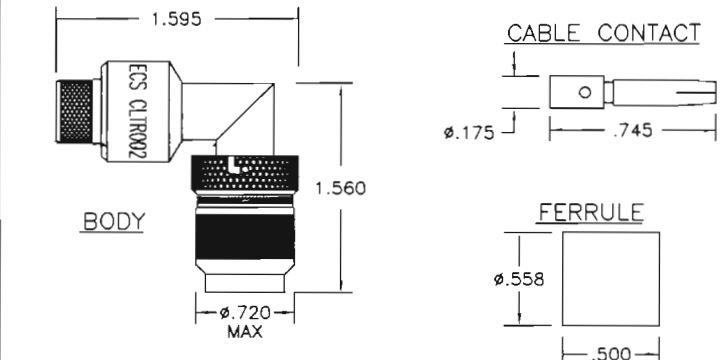
INSTALLATION INSTRUCTIONS

- BEGIN BY CUTTING THE CABLE OFF SQUARE.
 
- 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 10.
 
- SLIDE THE FERRULE AND ADHESIVE SHRINK TUBING OVER THE END OF THE CABLE.
 
- 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.
 
- USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.
 
- SLICE THE ALUMINUM/POLYESTER FOIL LENGTHWISE ABOUT EVERY 1/8". GENTLY ROTATE PIN TO SEPARATE THE FLAT FOIL BRAID AND ALUMINUM/POLYESTER FOIL FROM THE DIELECTRIC. USING TWEEZERS, FOLD BACK ALUMINUM/POLYESTER FOIL OVER THE OUTER BRAID.
 
- USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER SHIELDS, LEAVING AS MUCH WEAVE AS POSSIBLE. NOTE: DO NOT UNRAVEL DIELECTRIC WHEN PULLING BACK INNER SHIELD.
 

- SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS INTO THE DIELECTRIC RIDGE INSIDE THE CONNECTOR BODY.
 
- FOLD ALL THREE BRAIDS UP OVER THE NECK OF THE CONNECTOR BODY.
 
- 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 A M22520/5-31 DIE 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.



DIMENSIONS 4

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 DIMENSIONS PER MIL-STD-348B, FIGURE 313-1  
 TERMINATION STYLE: CONTACT SOLDER, FERRULE CRIMP  
 CABLE RETENTION: 50 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: BRASS PER ASTM B16  
 FERRULE: ANNEALED BRASS PER ASTM B16 OR COPPER PER ASTM B124  
 CENTER CONTACT: BRASS PER ASTM B16  
 COUPLING & BACK NUT: 303 SST PER ASTM A582  
 CABLE, OUTER CONTACT: BERYLLIUM COPPER PER ASTM B196  
 DIELECTRIC: TEFLON PER ASTM D1710  
 GASKET: SILICONE RUBBER PER A-A-59588

FINISHES

BODY, FERRULE AND OUTER CONTACT: BRIGHT NICKEL PER SAE-AMS-QQ-N-290  
 CONTACTS: GOLD PER MIL-DTL-45204  
 COUPLING & BACK NUT: PASSIVATE PER SAE-AMS-2700

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	4/29/16	LOCKING TNC RIGHT ANGLE PLUG FOR 310701 CABLE	
CHECKED BY: R. Lay	5/2/16	SIZE	CAGE CODE
DESIGNED BY: R LAY	4/29/16	B	66197
PROJECT ENG: [Signature]	5/2/16	LEVEL	PART NO.
SCALE:	EFFECTIVITY:	CLTR002	
SHEET: 1 OF 1			