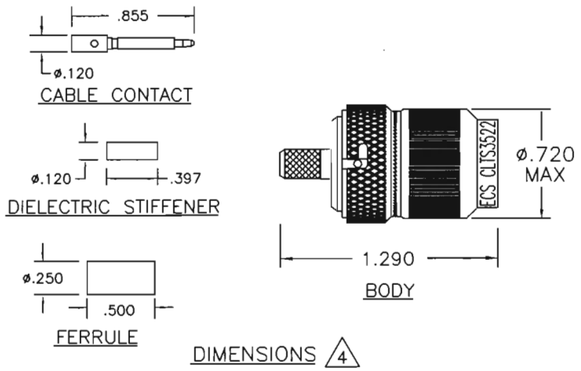
REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
57691		N/C	NEW RELEASE	1/14/16	CAC



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: INNER CONTACT–SOLDER OR CRIMP
OUTER CONTACT–FERRULE CRIMP
CABLE RETENTION: 20 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

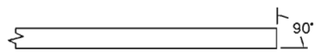
BODY: BRASS PER ASTM B16
FERRULE: ANNEALED BRASS PER ASTM B16 OR COPPER PER ASTM B124
CENTER CONTACT: BRASS PER ASTM B16
COUPLING & BACK NUT: 303 SST PER ASTM A582
OUTER CONTACT: BERYLLIUM COPPER PER ASTM B196
DIELECTRIC: TEFLON PER ASTM D1710
GASKET: SILICONE RUBBER PER A–A–59588

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

INSTALLATION INSTRUCTIONS

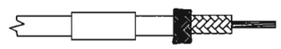
1. BEGIN BY CUTTING THE CABLE OFF SQUARE.



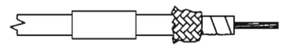
2. STRIP THE CABLE AS SHOWN, BEGINNING WITH L1 AND ENDING WITH L3. TAKE CARE NOT TO NICK THE CONDUCTORS WHILE STRIPPING THE DIELECTRIC AND JACKET. THE USE OF A STRIPPER DESIGNED FOR COAXIAL CABLE IS RECOMMENDED.

3. SLIDE THE FERRULE AND ADHESIVE SHRINK TUBING OVER THE END OF THE CABLE. △2

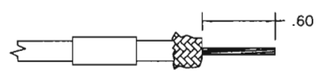
4. USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.



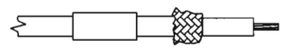
5. USING TWEEZERS, FOLD THE INNER BRAID BACK OVER THE OTHER SHIELD, LEAVING AS MUCH WEAVE AS POSSIBLE.



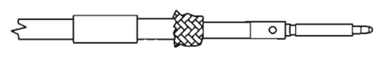
6. REMOVE THE DIELECTRIC FROM THE CENTER CONDUCTOR BACK APPROXIMATELY .60 INCHES FROM THE END OF THE CONDUCTOR. BE CAREFUL NOT TO NICK THE CENTER CONDUCTOR. THERMAL STRIPPERS ARE RECOMMENDED.



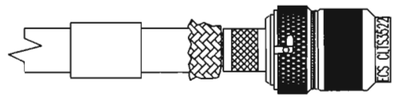
7. INSTALL DIELECTRIC STIFFENER OVER CENTER CONDUCTOR, ENSURING THAT IT IS BUTTED AGAINST THE CABLE DIELECTRIC.



8. SOLDER THE CONTACT ONTO THE CENTER CONDUCTOR, PER MIL–STD–2000, USING 63Sn/37Pb SOLDER OR CRIMP WITH M22520/5–57 DIE (B HEX). ENSURE THE CONTACT IS BUTTED AGAINST THE DIELECTRIC STIFFENER. CLEAN ALL FLUX RESIDUE USING AN APPROPRIATE FLUX CLEANER.

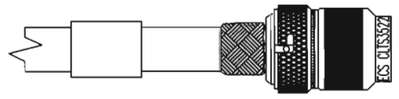


9. SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS INTO THE RIDGE INSIDE THE CONNECTOR DIELECTRIC.

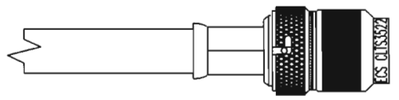


CAUTION: PUSH CABLE INTO THE CONNECTOR STRAIGHT TO AVOID KINKING THE CABLE.

10. FOLD BOTH BRAIDS OVER THE NECK OF THE CONNECTOR BODY.



11. 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 M22520/5–57 DIE (A HEX) TOOL FRAME. APPLY ADHESIVE HEAT SHRINK. △3



NOTES

1. ALL DIMENSIONS ARE IN INCHES.
△2 ENSURE HEAT SHRINK IS INSTALLED PRIOR TO CRIMPING CONNECTOR.
△3 ADHESIVE HEAT SHRINK SHOULD BE APPLIED IN ACCORDANCE WITH ECS WORK INSTRUCTION WI007. CONTACT ECS FOR A COPY OF THIS WORK INSTRUCTION.
△4 CONNECTOR DIMENSIONS ARE FOR REFERENCE ONLY.

ALL LENGTHS IN INCHES

APPROVALS	DATE
DRAWN BY: CRAIG KIJLAS	12/3/15
CHECKED BY: R. Lay	1/14/16
DESIGNED BY: R LAY	12/3/15
PROJECT ENG: Chris Clapper	1/14/16
ENG. MGR: Dave Knuth	1/14/16

CARLISLE
Carlisle Interconnect Technologies
Franklin, WI 53132
414-421-5300

TITLE: CUSTOMER SPECIFICATION
LOCKING TNC STRAIGHT PLUG FOR 352001 CABLE

SIZE	CAGE CODE	LEVEL	PART NO.
B	66197		CLTS3522

SCALE: | EFFECTIVITY: | SHEET: 1 OF 1