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DWG NO. BN3122-1

SHEET 1

REV. D

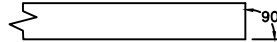
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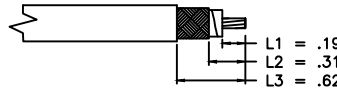
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### INSTALLATION INSTRUCTIONS

- 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 OR CRIMP WITH M22520/5-57 DIE (B HEX). ENSURE THE CONTACT IS BUTTED AGAINST THE CABLE DIELECTRIC. CLEAN ALL FLUX RESIDUES USING AN APPROPRIATE FLUX CLEANER.



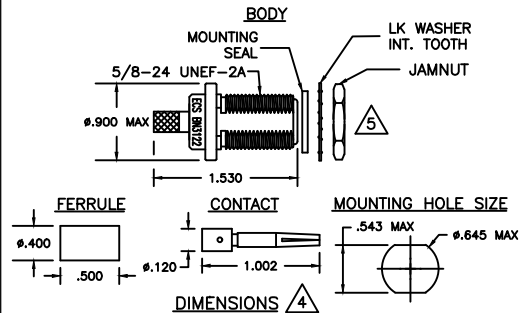
- USING TWEEZERS, FOLD THE OUTER BRAID BACK OVER THE CABLE JACKET, LEAVING AS MUCH WEAVE AS POSSIBLE.



- 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.



### 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: 1000 VRMS @ SEA LEVEL  
DIELECTRIC WITHSTANDING: 2500 VRMS @ SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHMS MINIMUM @ 500 VOLTS DC

#### MECHANICAL

CONNECTOR INTERFACE DIMENSION PER MIL-STD-348A FIGURE 304-2  
TERMINATION STYLE: INNER CONTACT-SOLDER OR CRIMP  
OUTER CONTACT-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

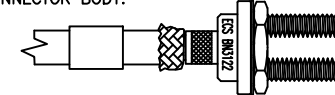
BODY: BRASS PER QQ-B-626  
FERRULE: ANNEALED BRASS PER QQ-B-626  
CENTER CONTACT: BERYLLIUM COPPER PER QQ-C-530  
DIELECTRIC: TEFLON PER L-P-403  
GASKET: SILICON RUBBER PER ZZ-R-765

#### FINISHES

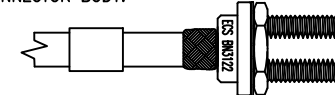
BODY, FERRULE: BRIGHT NICKEL PER QQ-N-290  
CENTER CONTACT: GOLD PER MIL-G-45204

REVISIONS					
ECN	ZONE	REV.	DESCRIPTION	DATE	APPROVED
4462		A	SEE ECN# 4462	8/13/96	JBH
6189		B	SEE ECN# 6189	9/10/98	MCT
13272		C	SEE ECN	7/17/01	CAC
78584	A1,2 C/D4	D	ADDED TORQUE VALUE ADDED DIMENSIONS, REMOVED STIFFENER		

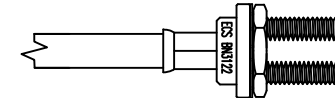
- SLIDE THE BODY OF THE CONNECTOR OVER THE END OF THE CABLE UNTIL THE NOTCH IN THE CONTACT SEATS WITH THE DIELECTRIC RIDGE INSIDE THE CONNECTOR BODY.



- 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 THE M22520/5-47 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 W10007. 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.
- RECOMMENDED JAM NUT TORQUE IS 16 TO 19 IN.-LBS.

APPROVALS		DATE	ELECTRONIC CABLE SPECIALISTS FRANKLIN, WI 53132 PHONE: (414) 421-5300			
DRAWN BY: KW HOFFMAN		8/3/95	TITLE: CUSTOMER SPECIFICATION			
CHECKED BY: M TAUBENHEIM		8/18/95	N BULKHEAD JACK FOR ECS CABLE 311201, 421201			
DESIGNED BY:			SIZE	CAGE CODE	LEVEL	PART NO.
PROJECT ENG:			B	66197		BN3122
ENG. MGR: JB HACKETT		8/18/95	SCALE:			SHEET: 1 OF 1

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