

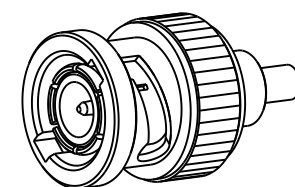
NOTES:

1. MATERIALS AND FINISHES:  
 BODY, RETAINING RING, SLEEVE, INNER FERRULE & WASHER - BRASS, NICKEL PLATING  
 SHELL - ZINC ALLOY, NICKEL PLATING  
 CONTACT - BeCu, GOLD PLATING  
 BULLET CONTACT - BRASS, GOLD PLATING  
 SPRING - BeCu, NICKEL PLATING  
 INSULATOR & INSULATOR DISC - PTFE, NATURAL  
 GASKET - RUBBER, RED
2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM  
 B. FREQUENCY RANGE: DC - 9 GHz  
 C. VSWR: 1.30 MAX. @ DC - 3 GHz  
     1.40 MAX. @ 3 - 6 GHz  
     1.60 MAX. @ 6 - 9 GHz  
 D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.
3. MECHANICAL:  
 A. DURABILITY: 500 CYCLES MIN.  
 B. TEMPERATURE RANGE: -65°C TO +165°C

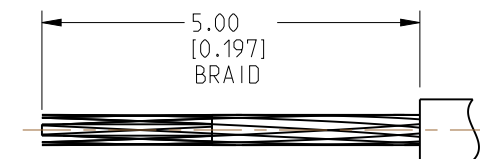
4. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: PACKAGING TO BE MARKED "AMPHENOL RF, 31-6996 AND DATE CODE"
5. CABLE ASSEMBLY INSTRUCTIONS:  
 A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).  
 B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK, OVER INNER FERRULE.  
 C. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE, BOTTOMING ON INNER FERRULE.  
 D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR, BOTTOMING ON INSULATOR DISC.  
 E. INSERT CABLE INTO CONNECTOR UNTIL IT BOTTOMS.  
 F. CRIMP BODY OVER INNER FERRULE USING .105" HEX

6 SHOWS CABLE ENTRY DIMENSIONS.

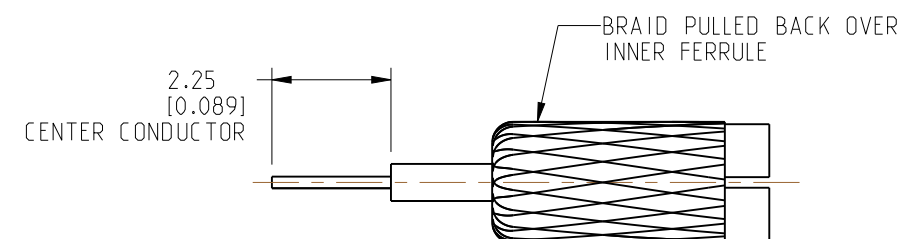
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	07-JUN-24	17059	SH



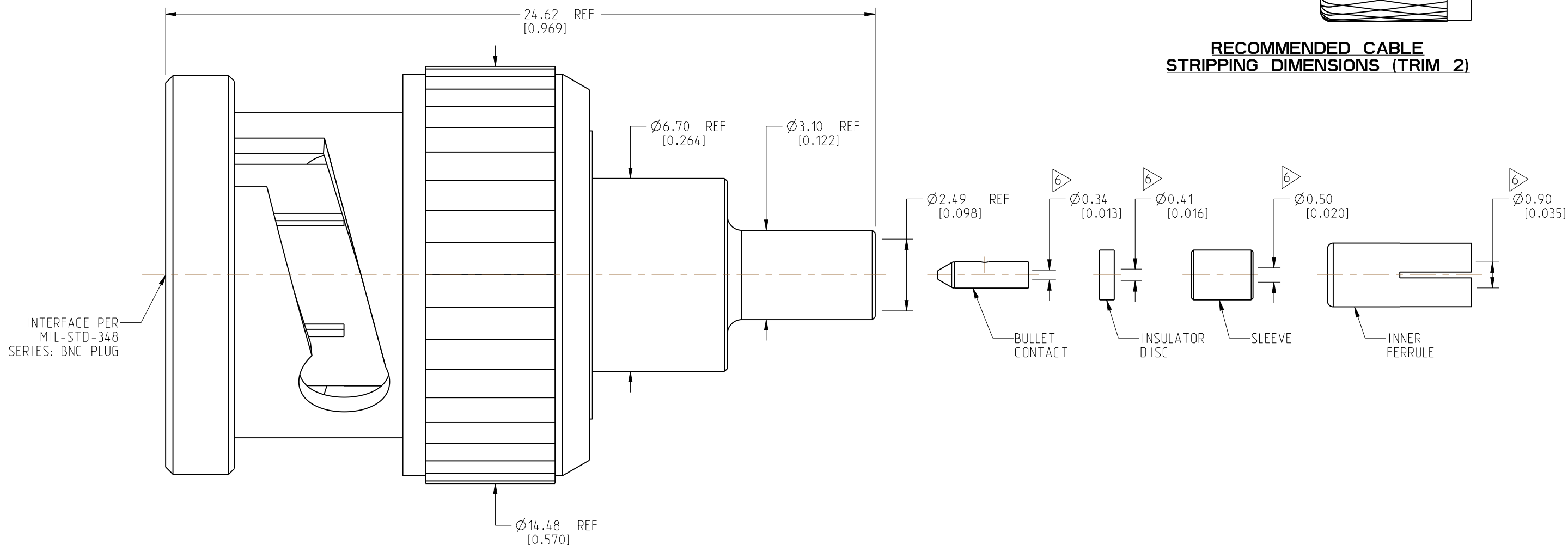
SCALE 1.500



**RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)**



**RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)**



INTERFACE PER MIL-STD-348 SERIES: BNC PLUG

**CUSTOMER OUTLINE DRAWING**  
 ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:  
 <0.5mm = ±0.05mm [ $\pm 0.002$ ]  
 >0.5 - 6mm = ±0.1mm [ $\pm 0.020 - 0.236 = \pm 0.004$ ]  
 >6.00 - 30mm = ±0.2mm [ $\pm 0.236 - 1.181 = \pm 0.008$ ]  
 >30.00 - 120mm = ±0.3mm [ $\pm 1.181 - 4.725 = \pm 0.012$ ]  
 ANGLES = ±1°

MATERIAL: SEE NOTES  
 ENGR.1: R. KARTHIK  
 ENGR.2: M. ZHANG  
 DATE: 16-APR-24

TITLE: BNC STR PLUG FOR 0.81 MM CABLE  
 SHEET NO. 2 OF 2  
 SCALE: 7.0:1.0

Amphenol RF  
 DRAWING NO. 31-6996  
 ITEM NO. 31-6996  
 PART NO. 31-6996  
 REV: A

THIRD ANGLE PROJ.

REFERENCE: 31-6965  
 EAR#: 10448