

NOTES:

1. MATERIALS AND FINISHES:
 BODY - BRASS, NICKEL PLATING
 CONTACT - BeCu, GOLD PLATING
 BULLET CONTACT - BRASS, GOLD PLATING
 INSULATOR - PTFE NATURAL
 SHELL - ZINC ALLOY, NICKEL PLATING
 GASKET - SILICONE RUBBER RED
 FERRULE - SEAMLESS COPPER, NICKEL PLATING
 HEAT SHRINK TUBING - POLYOLEFIN BLACK
2. ELECTRICAL:
 A. IMPEDANCE: 50 OHM
 B. FREQUENCY RANGE: DC - 6 GHz
 C. VSWR(RETURN LOSS): 1.30 MAX. @ DC - 6 GHz
 D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.
3. MECHANICAL:
 A. DURABILITY: 500 CYCLES MIN.
 B. TEMPERATURE RANGE: -40° C TO +85° C
4. PACKAGING:
 A. QUANTITY: SINGLE PACK
 B. MARKING: BAG TO BE MARKED
 "AMPHENOL RF, 31-6924, DATE CODE"

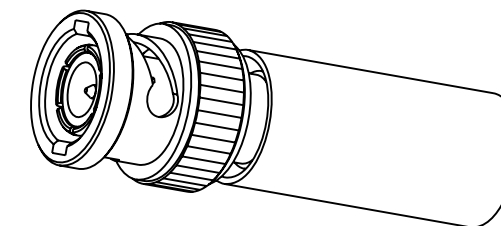
CABLE ASSEMBLY INSTRUCTIONS:

- A. TRIM CABLE AS SHOWN.
- B. SLIDE HEAT SHRINK TUBING, FERRULE AND INSULATOR DISC ONTO CABLE.
- C. SOLDER CABLE CENTER CONDUCTOR TO BULLET CONTACT.
- D. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
- E. CRIMP FERRULE OVER BRAID WITH .213" HEX DIE.
- F. APPLY HEAT SHRINK TUBING OVER FERRULE.
- G. HEAT SHRINK TUBING SHOULD FULLY (360 DEG) COVER THE BUMP ON BODY AND END WITHIN AREA "A"

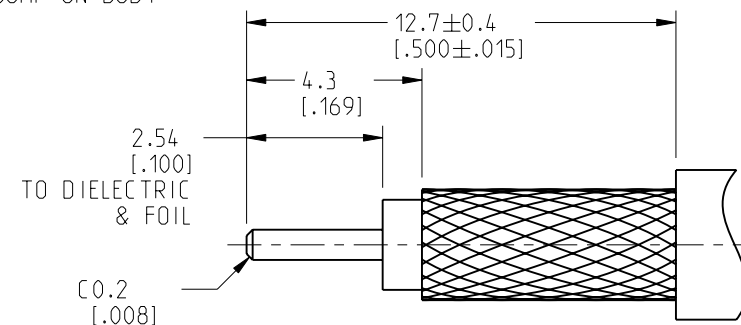
6. CONNECTOR RATED TO IP-67.

SHOWS CABLE ENTRY DIMENSIONS.

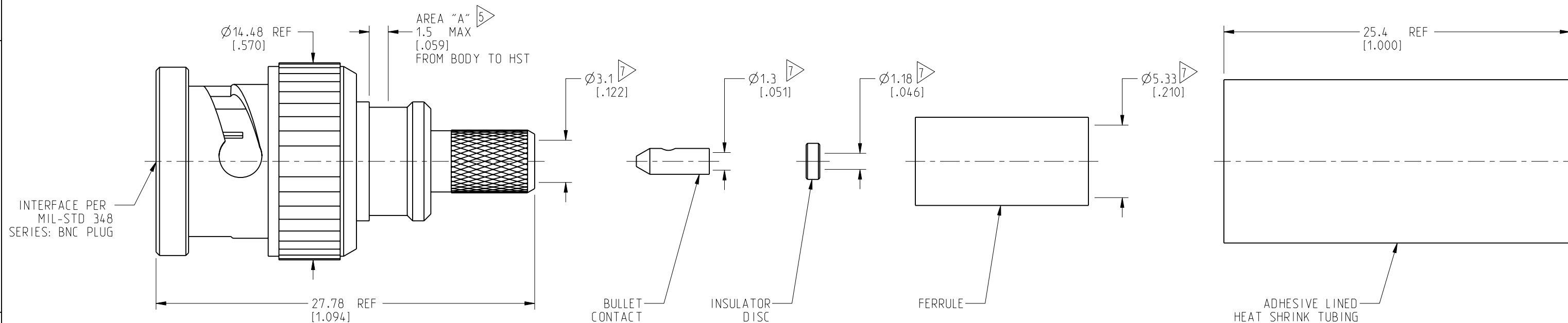
REVISIONS				
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	16-DEC-20	15443	SH
B	UPDATED NOTE 5E TO CALL OUT 0.213" HEX DIE	07-FEB-22	16128	SV



SCALE 1.500



RECOMMENDED CABLE STRIPPING DIM'S



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 [$\pm 0.020 = \pm 0.002$]
 >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: WIKI
 ENGR.2: S.HSIEH
 DATE: 14-DEC-20

TITLE: BNC STR PLUG IP67 FOR RG-58 CABLE
 SHEET NO. 2 OF 2
 SCALE: 3.5:1.0

Amphenol RF
 DRAWING NO. 31-6924
 ITEM NO. 31-6924
 PART NO. 31-6924
 REV: B

THIRD ANGLE PROJ.

REFERENCE: 31-6614
 EAR#: 10077