

NOTES:

1. MATERIALS AND FINISHES:

- BODY & COUPLING NUT - BRASS, TIN-NICKEL ALLOY PLATING
- CONTACT - BeCu, GOLD PLATING
- BULLET CONTACT - BRASS, GOLD PLATING
- INSULATOR - PTFE, NATURAL
- INSULATOR DISC - ULTEM, NATURAL
- RETAINING RING - PHOSPHOR BRONZE, NICKEL PLATING
- GASKET & O-RING - SILICONE RUBBER, RED
- FERRULE - COPPER, TIN-NICKEL ALLOY PLATING
- HEAT SHRINK TUBING - CROSSLINKED POLYOLEFIN, BLACK

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM
- B. FREQUENCY RANGE: DC - 6 GHz
- C. VSWR: 1.30 MAX.
- D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:

- A. DURABILITY: 500 CYCLES MIN.
- B. TEMPERATURE RANGE: -40°C TO +85°C
- C. SALT SPRAY PER MIL-STD-202, METHOD 101, WITH FOLLOWING PARAMETERS:
 - 1) TEST CONDITION B
 - 2) 5% SALT SOLUTION
 - 3) CYCLE REPEATED TO 720 HOURS

4. PACKAGING:

- A. QUANTITY: SINGLE PACK
- B. MARKING: PACKAGING TO BE MARKED "AMPHENOL RF, 31-6923-EE AND DATE CODE"

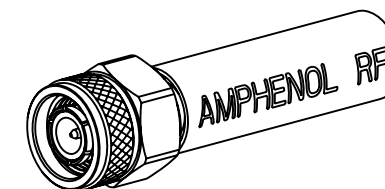
5. CABLE ASSEMBLY INSTRUCTIONS:

- A. TRIM CABLE AS SHOWN.
- B. SLIDE HEAT SHRINK TUBING AND FERRULE ONTO CABLE.
- C. SLIDE INSULATOR DISC ONTO CABLE CENTER CONDUCTOR.
- D. SOLDER CABLE CENTER CONDUCTOR TO BULLET CONTACT.
- E. INSERT CABLE WITH DIELECTRIC ENTERING CONNECTOR AND BRAID OVER KNURL.
- F. CRIMP FERRULE OVER BRAID WITH 0.213" HEX DIE.
- G. APPLY HEAT SHRINK TUBING OVER FERRULE.
- H. HEAT SHRINK TUBING SHOULD FULLY (360 DEG) COVER THE BUMP ON BODY AND END WITHIN AREA "A".

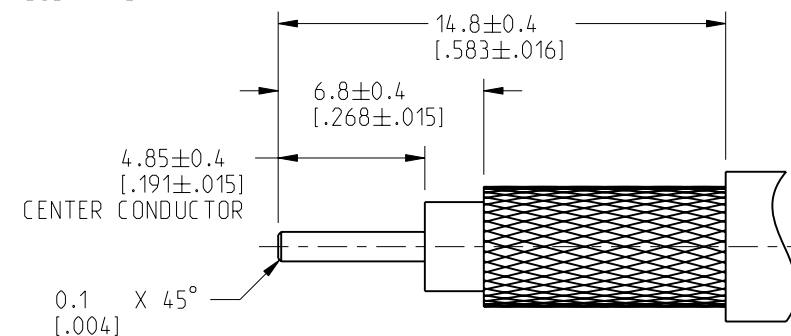
6. RECOMMENDED COUPLING TORQUE : 4-6 IN-LBS.

7. SHOWS CABLE ENTRY DIMENSIONS.

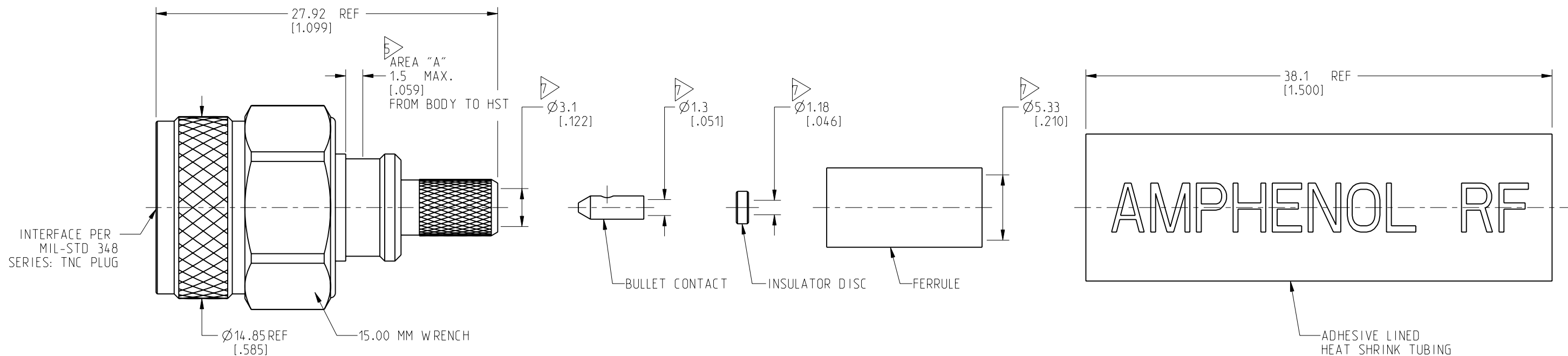
REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	7-Jul-22	16314	SH



SCALE 1.000



RECOMMENDED CABLE STRIPPING DIMENSIONS



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 [$<0.020 = \pm 0.002$]
 0.5 - 6mm = ±0.1mm [$>0.020 - 0.236 = \pm 0.004$]
 >6.00 - 30mm = ±0.2mm [$>0.236 - 1.181 = \pm 0.008$]
 >30.00 - 120mm = ±0.3mm [$>1.181 - 4.725 = \pm 0.012$]

MATERIAL: SEE NOTES
 ENGR.1: KARTHIK ENGR.2: WIKI DATE: 20-MAY-22

TITLE: TNC STR PLUG IP 67 FOR RG 58 CABLE EXTREME EXPOSURE
 SHEET NO. 2 OF 2 SCALE: 3.0:1.0

Amphenol RF
 DRAWING NO. 31-6923-EE
 ITEM NO. 31-6923-EE
 PART NO. 31-6923-EE
 REV: A

THIRD ANGLE PROJ.

REFERENCE: EAR# 11329

ANGLES = ±1°

ENGR.1: KARTHIK ENGR.2: WIKI DATE: 20-MAY-22

SHEET NO. 2 OF 2 SCALE: 3.0:1.0

REV: A