NOTES:

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

2. ELECTRICAL:
   A. IMPEDANCE: 50 OHM
   B. FREQUENCY RANGE: DC - 6 GHz
   C. 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

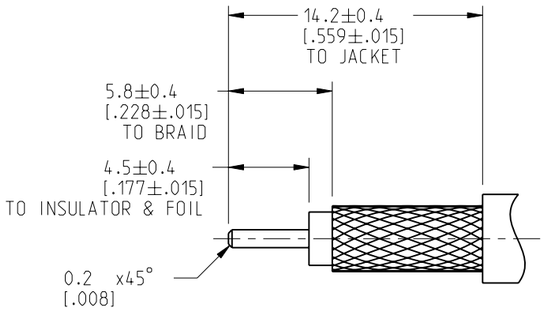
4. PACKAGING:
   A. QUANTITY: SINGLE PACK
   B. MARKING: PACKAGING TO BE MARKED
      "AMPHENOL RF, 31-6499-EE AND DATE CODE"

5. 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°) COVER THE BUMP ON BODY AND END WITHIN AREA "A"

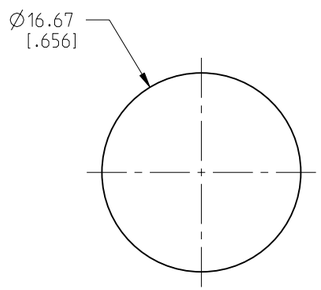
6. RECOMMENDED COUPLING TORQUE : 4-6 IN-LBS.

7. SHOWS CABLE ENTRY DIMENSIONS.

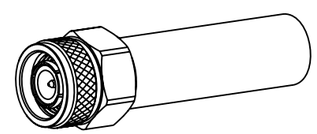
| REVISIONS | | | | |
|---|---|---|---|---|
| REV | DESCRIPTION | DATE | ECN | BY |
| A | RELEASE TO MFG. | 08-Jul-22 | 16313 | SH |

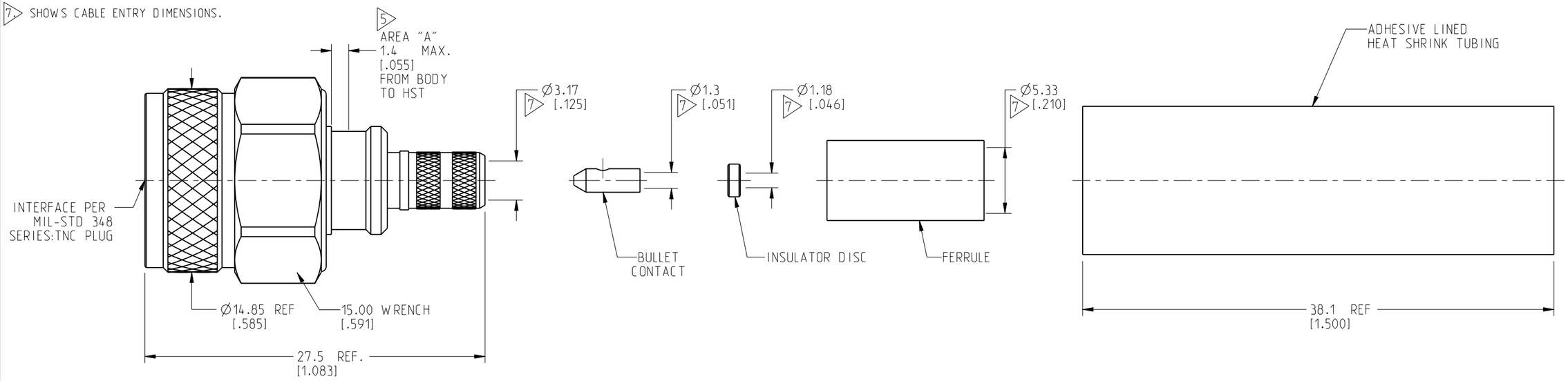



**RECOMMENDED CABLE STRIPPING DIMENSIONS**




**MIN. PASS THRU DIAMETER**






# CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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THIRD ANGLE PROJ.

| REFERENCE | EAR# |
|---|---|
| 31-6499 | 11329 |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:

| | |
|---|---|
| <0.5mm = ±0.05mm | [<0.020 = ±0.002] |
| 0.5 - 6mm = ±0.1mm | [>0.020 - 0.236 = ±0.004] |
| >6.00 - 30mm = ±0.2mm | [>0.236 - 1.181 = ±0.008] |
| >30.00 - 120mm = ±0.3mm | [>1.181 - 4.725 = ±0.012] |

ANGLES = ±1°

MATERIAL: SEE NOTES

| ENGR.1 | ENGR.2 | DATE |
|---|---|---|
| VIJI K | M.ZHANG | 29-Jun-22 |

TITLE: TNC STR PLUG IP 67 FOR LMR 200 CABLE EXTREME EXPOSURE

SHEET NO. 2 OF 2 | SCALE: 3.0:1.0

Amphenol RF

| SIZE | DRAWING NO. | REV |
|---|---|---|
| B | 31-6499-EE | A |
| | ITEM NO. 31-6499-EE | |
| | PART NO. 31-6499-EE | |

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