

1. MATERIALS AND FINISHES:  
BODY, OUTER CONTACT &  
COUPLING NUT - BRASS, TIN-NICKEL ALLOY PLATING  
CONTACT - BeCu, GOLD PLATING  
CONTACT - BRASS, GOLD PLATING  
INSULATOR & INSULATOR DISC - PTFE, NATURAL  
GASKET & O-RING - SILICON RUBBER, RED  
RETAINER RING - SUS 304, TIN-NICKEL ALLOY PLATING  
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. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:

- A. DURABILITY: 500 CYCLES MIN.
- B. TEMPERATURE RANGE: -65° C TO +165° 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

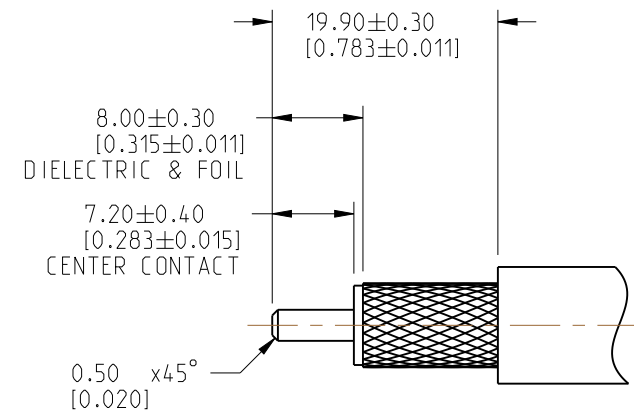
4. PACKAGING:  
A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED  
"AMPHENOL RF, 82-6513-EE AND DATE CODE"

5. RECOMMENDED CABLE ASSEMBLY INSTRUCTIONS:

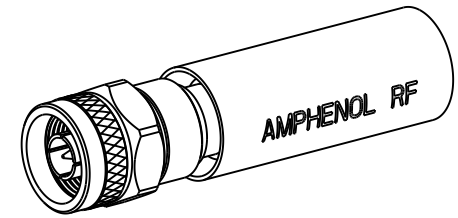
- TRIM CABLE AS SHOWN.
- SLIDE HEAT SHRINK TUBING, FERRULE AND INSULATOR DISC ONTO CABLE.
- SOLDER CABLE CENTER CONDUCTOR TO CONTACT.
- INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
- CRIMP FERRULE OVER BRAID WITH 0.429" HEX DIE.
- APPLY HEAT SHRINK TUBING OVER FERRULE.
- HEAT SHRINK TUBING SHOULD FULLY (360 DEG) COVER THE BUMP ON BODY AND END WITHIN AREA "A"

6. RECOMMENDED COUPLING TORQUE: 6-10 IN-LBS.

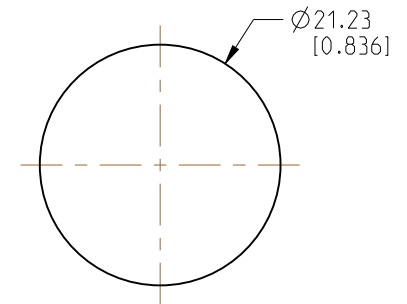
7. SHOW CABLE ENTRY DIMENSIONS.



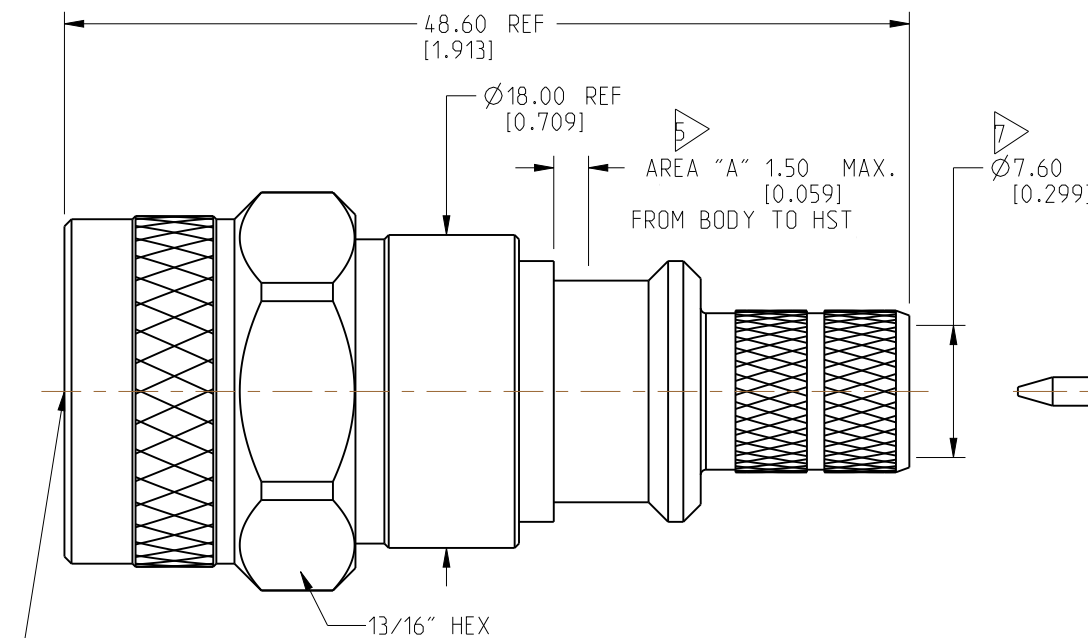
## RECOMMENDED CABLE STRIPPING DIMENSIONS



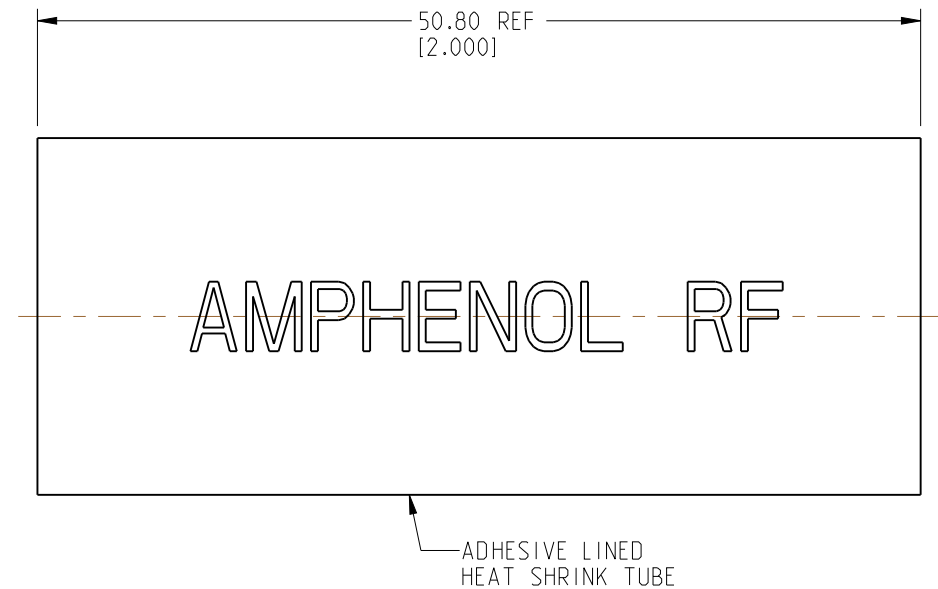
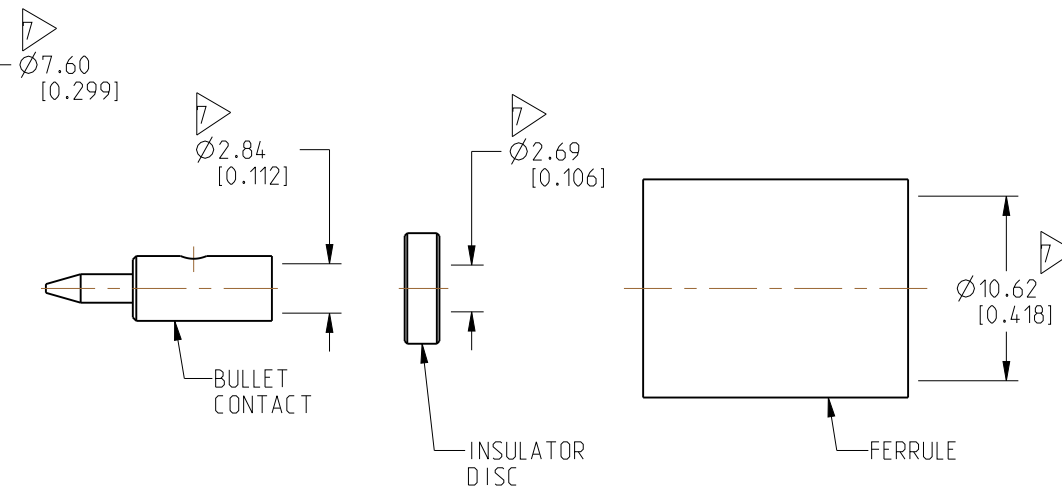
SCALE 0.750



MIN PASS THRU  
DIAMETER



—INTERFACE PER  
MIL-STD-348  
SERIES: N PLUG



## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

NOTICE: These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. The furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data.

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:

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

MATERIAL
----------

SEE NOTES

ENGR.1  
DINESH A

ENGR.2

DATE
------

24-JUN-22

TITLE
-------

N STR PLUG IP 67 FOR  
LMR 400 CABLE  
EXTREME EXPOSURE

SHEET NO. 2 OF 2

SCALE: 2.3:1.0

SIZE
------

DRAWING NO. 82-6513-FF

ITEM NO. 82-6513-EF

PART NO. 82-6513-EE

REV

A