

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

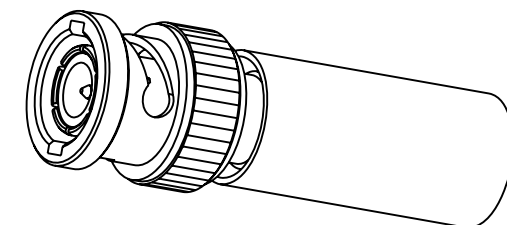
4. PACKAGING:  
A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED  
"AMPHENOL RF, 31-6924, DATE CODE"

- 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 .216" 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"

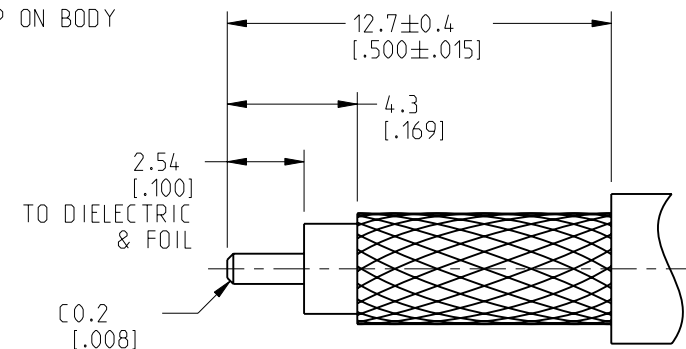
6. CONNECTOR RATED TO IP-67.

7 SHOWS CABLE ENTRY DIMENSIONS.

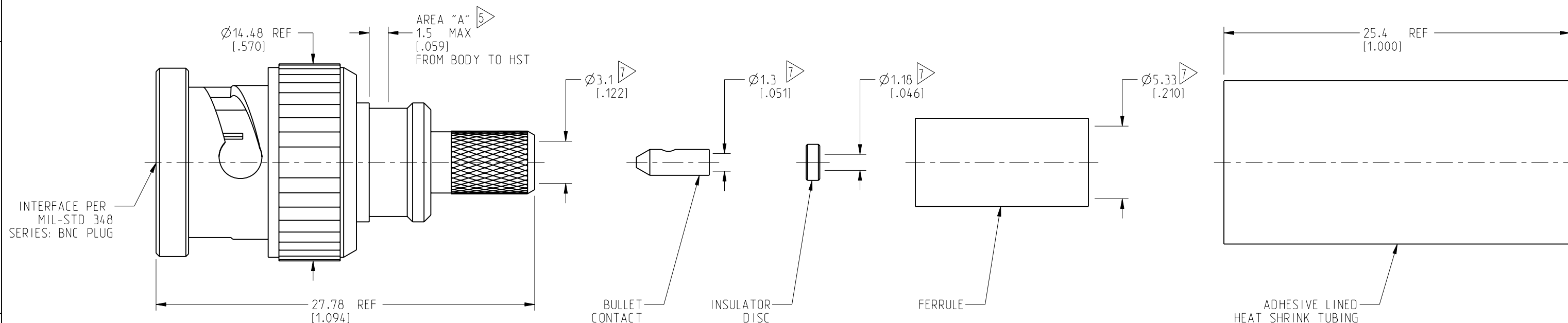
REVISIONS				
REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	16-Dec-20	15443	SH



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

MATERIAL	SEE NOTES
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TITLE	BNC STR PLUG IP67 FOR RG-58 CABLE
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SIZE  B	DRAWING NO.	31-6924
	ITEM NO.	31-6924
	PART NO.	31-6924

A

THIRD ANGLE PROJ. 

REFERENCE
31-6614

EAR#	10077
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 ANGLES =  $+1^\circ$

ENGINEER  
WIKI

DATE	14-Dec-20
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SHEET NO. 2 OF 2

SCALE: 3.5:1.0

E

A

# Mouser Electronics

Authorized Distributor

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