

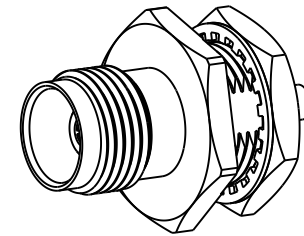
1. MATERIALS AND FINISHES:  
BODY, INNER FERRULE, HEX NUT, SLEEVE  
& LOCK WASHER - BRASS, NICKEL PLATING  
CONTACT - BeCu, GOLD PLATING  
BULLET CONTACT - BRASS, GOLD PLATING  
INSULATOR AND INSULATOR DISC - PTFE, NATURAL  
O-RING AND GASKET - SILICONE RUBBER, RED
2. ELECTRICAL:  
A. IMPEDANCE: 50 OHM  
B. FREQUENCY RANGE: DC - 9 GHz  
C. VSWR: 1.30 MAX. @ DC - 3 GHz  
1.40 MAX. @ 3 - 9 GHz  
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.
3. MECHANICAL:  
A. DURABILITY: 500 CYCLES/MIN.  
B. TEMPERATURE RANGE: -65°C TO +165°C  
C. SEALING: MEETS IP-67 REQUIREMENTS IN UNMATED CONDITION

4. PACKAGING:
  - A. QUANTITY: SINGLE PACK
  - B. MARKING: PACKAGING TO BE MARKED  
"AMPHENOL RF, 31-7001 & DATE CODE"
5. CABLE ASSEMBLY INSTRUCTIONS:
  - A. TRIM CABLE AS SHOWN.
  - B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK,  
OVER INNER FERRULE.
  - C. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE, BOTTOMING ON  
INNER FERRULE.
  - D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR,  
BOTTOMING ON INSULATOR DISC.
  - E. INSERT CABLE INTO CONNECTOR UNTIL IT BOTTOMS.
  - F. CRIMP BODY OVER INNER FERRULE USING 0.105" HEX

Technical drawing of a circular part. The overall diameter is 12.10 [0.476]. A hole with a diameter of 13.00 [0.512] is shown, which is larger than the overall diameter, indicating a specific feature or a typo in the drawing.

5.10  
[0.201]  
BRAID

The diagram shows a cross-section of a braided cable. It consists of a central core of 12 strands, surrounded by a braided jacket. The braided jacket is composed of 12 strands, with 6 strands in the inner layer and 6 strands in the outer layer. The braiding is shown as a series of diagonal lines crossing over and under each other. The entire assembly is enclosed in a rectangular frame.



SCALE 1.500

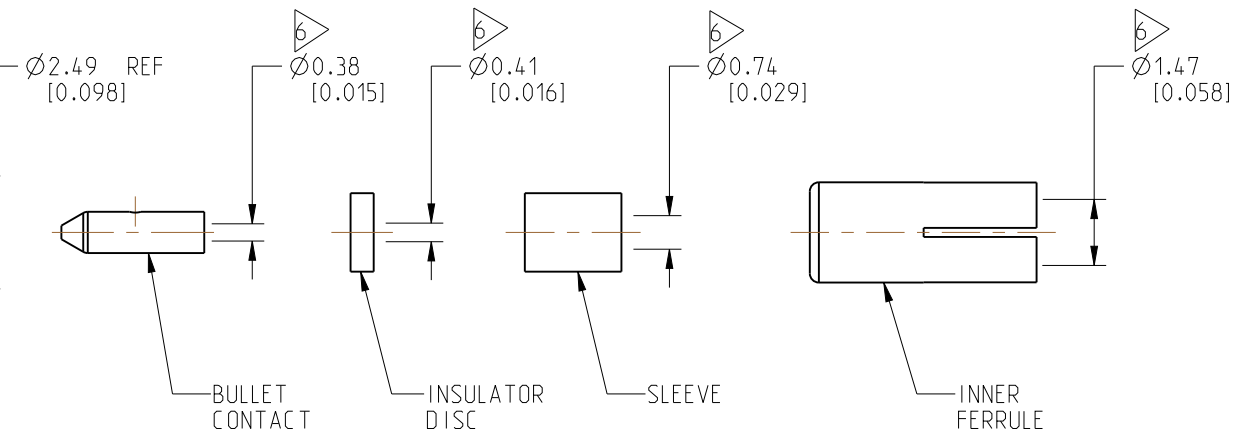
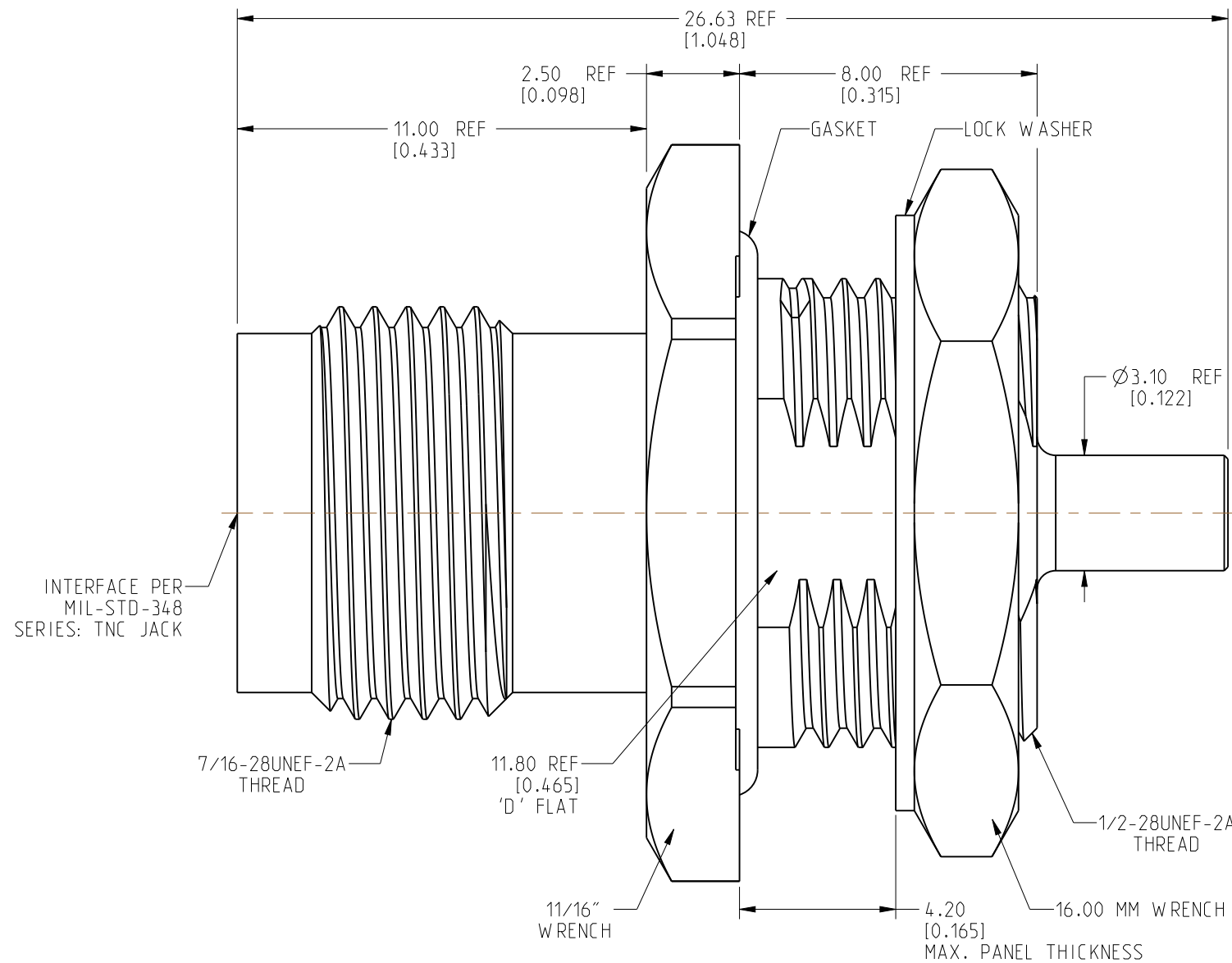
**INSTALLATION**

2.25  
[0.089]  
CENTER CONDUCTOR

BRAID PULLED BACK OVER  
INNER FERRULE

The diagram illustrates the assembly of a cable. A central conductor, labeled 'CENTER CONDUCTOR' with a diameter of 2.25 [0.089], is shown passing through a ferrule. The braid is pulled back over the inner ferrule, as indicated by the label 'BRAID PULLED BACK OVER INNER FERRULE'. The diagram shows the internal structure of the cable with the braid and inner ferrule clearly visible.

2.25  
[0.089]  
CENTER CONDUCTOR



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	[<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
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SEE NOTES

ENGR.1	
V I J I K	

ENGR.2  
M.ZHANG

DATE  
23-DEC-22

TITLE
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TNC STR BHD JACK  
FRONT MOUNT IP 67 FOR  
1.32 MM DS CABLE

SHEET NO. 2 OF 2

SCALE: 6.0:1.0

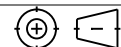
# Amphenol RF

SIZE  B	DRAWING NO.	31-7001
	ITEM NO.	31-7001
	PART NO.	31-7001

REV

A

THIRD ANGLE PROJ.



REFERENCE
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EAR#	10560
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