

NOTES:

1. MATERIALS AND FINISHES:
BODY, INNER FERRULE &
SLEEVE - BRASS, NICKEL PLATING
CONTACT - BeCu, GOLD PLATING
BULLET CONTACT - BRASS, GOLD PLATING
INSULATOR & INSULATOR DISC - PTFE, NATURAL

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 9 GHz
C. VSWR: 1.30 MAX. @ DC - 3 GHz
1.40 MAX. @ 3 - 6 GHz
1.50 MAX. @ 6 - 7.1 GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

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

4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: PACKAGING TO BE MARKED
"AMPHENOL RF, 31-6968 AND DATE CODE"

5. CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
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

6. SHOWS CABLE ENTRY DIMENSIONS.

REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	07-JUN-24	17060	SH

SCALE 1.500

5.00
[0.197]
BRAID

**RECOMMENDED CABLE
STRIPPING DIMENSIONS (TRIM 1)**

26.63 REF
[1.048]

16.00 REF
[0.630]

5.50 REF
[0.217]

Ø3.10 REF
[0.122]

Ø2.49 REF
[0.098]

Ø0.34 [0.013]

Ø0.41 [0.016]

Ø0.50 [0.020]

Ø0.90 [0.035]

7/16-28UNEF-2A
THREAD

9/16" WRENCH

INTERFACE PER
MIL-STD-348
SERIES: TNC JACK

2.25
[0.089]
CENTER CONDUCTOR

BRAID PULLED OVER
INNER FERRULE

**RECOMMENDED CABLE
STRIPPING DIMENSIONS (TRIM 2)**

BULLET
CONTACT

INSULATOR
DISC

SLEEVE

INNER
FERRULE

THIRD ANGLE PROJ.

REFERENCE

EAR#
10196

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:
<0.5mm = ±0.05mm [± 0.002]
>0.5 - 6mm = ±0.1mm [$\pm 0.020 - 0.236 = \pm 0.004$]
>6.00 - 30mm = ±0.2mm [$\pm 0.236 - 1.181 = \pm 0.008$]
>30.00 - 120mm = ±0.3mm [$\pm 1.181 - 4.725 = \pm 0.012$]

ANGLES = ±1°

ENGR.1
BRANDON

ENGR.2

DATE
28-JAN-21

TITLE
TNC STR JACK FOR
0.81 MM CABLE

SHEET NO. 2 OF 2

SCALE: 6.0:1.0

Amphenol RF

SIZE
B

DRAWING NO. 31-6968
ITEM NO. 31-6968
PART NO. 31-6968

REV
A