

1. MATERIALS AND FINISHES:
BODY, REAR BODY, COUPLING NUT AND CAP - BRASS, NICKEL PLATING
FERRULE - COPPER, NICKEL PLATING
CONTACT - BeCu, GOLD PLATING
INSULATOR - PTFE, NATURAL
RETAINING RING - PHOSPHOR BRONZE, NICKEL PLATING
GASKET - SILICONE RUBBER, RED
2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 7.1 GHz
C. VSWR: 1.30 MAX. DC - 3 GHz
1.40 MAX. 3 - 6 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, 31-6985 AND DATE CODE"
C. CAP AND FERRULE ARE PACKAGED LOOSE.
5. CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN.
B. SLIDE FERRULE ONTO CABLE.
C. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.
D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR.
E. CRIMP FERRULE OVER BRAID WITH 0.105" HEX.
F. PRESS CAP FLUSH

Technical drawing of a cable cross-section showing dimensions in inches and millimeters:

- Overall length: 13.10 [0.516]
- Length to braid: 6.60 [0.260] TO BRAID
- Length of center conductor: 3.00 [0.118] CENTRE CONDUCTOR
- Tip diameter: 0.10 [0.004] x45°


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ANGLES = $\pm 1^\circ$

DATE	22-FEB-21
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SCALE: 6.3:1.0

SCALE 1.500



 - Ø2.54

 [0.100]

—14.85 HEX
[0.585]

—INTERFACE PER
RP TNC PLUG

Amphenol RF

REV
A