

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 radius: 0.10 [0.004] x45°

Technical drawing of a mechanical assembly, showing a side view and a top view. The side view includes the following dimensions and labels:

- Overall height: 25.05 REF [0.986]
- Height of the main body: 20.05 REF [0.789]
- Length of the main body: 17.20 REF [0.677]
- Length of the internal feature: 12.20 REF [0.480]
- Internal feature diameter: $\varnothing 1.93$ REF [0.076]
- Feature label: 14.85 HEX [0.585]
- Interface label: INTERFACE PER RP TNC PLUG

The top view shows a circular feature labeled "CAP".

SCALE 1.500

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 = $\pm 0.05\text{mm}$ [$<0.020 = \pm 0.002$] >0.5 - 6mm = $\pm 0.1\text{mm}$ [$>0.020 - 0.236 = \pm 0.004$] >6.00 - 30mm = $\pm 0.2\text{mm}$ [$>0.236 - 1.181 = \pm 0.008$] >30.00 - 120mm = $\pm 0.3\text{mm}$ [$>1.181 - 4.725 = \pm 0.012$]			MATERIAL SEE NOTES			TITLE RP TNC RA PLUG FOR RG 178 CABLE			Amphenol RF																	
THIRD ANGLE PROJ. 			REFERENCE			ENG. 1 R KARTHIK			ENG. 2 JACK LIANG			DATE 22-FEB-21			SHEET NO. 2 OF 2			SCALE: 6.3:1.0			SIZE			DRAWING NO. 31-6985			REV		
EAR# 10195			ANGLES = $\pm 1^\circ$			B			ITEM NO. 31-6985			A			PART NO. 31-6985														

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [RF Connectors / Coaxial Connectors](#) ***category:***

Click to view products by [Amphenol](#) ***manufacturer:***

Other Similar products are found below :

[6002-7051-003](#) [6059674-1](#) [630059-000](#) [M55339/15-00491](#) [7002-1541-010](#) [7002-1572-002](#) [7003-1572-002](#) [7004-1512-000](#) [7009-1511-004](#)
[7105-1521-002](#) [7145-1521-002](#) [7203-1571-003](#) [7209-1511-011](#) [7405-1521-005](#) [7405-1521-019](#) [7405-1521-802](#) [755-74-5](#) [7706-2](#) [873183](#)
[PL375-33](#) [95-850-148-3](#) [R107003010W](#) [R112186000](#) [R113082097](#) [R113236000](#) [R113240097](#) [R114083000](#) [R114670000W](#) [R121053000](#)
[R124072220W](#) [R124076450](#) [R124175123](#) [R125075001](#) [R125414001](#) [R125415030](#) [R125415271](#) [R141007161](#) [R141574161W](#)
[R142004000W](#) [R142076000W](#) [R142076161W](#) [R142184000W](#) [R142676700](#) [R143012000](#) [R143075000W](#) [R143089117](#) [R143235161W](#)
[R143292700](#) [R143557000](#) [R161008000](#)