

1. MATERIALS AND FINISHES:
BODY, REAR BODY, COUPLING NUT, CAP
& INNER FERRULE - BRASS, 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, 31-6983 AND DATE CODE"
C. CAP AND INNER FERRULE ARE PACKAGED LOOSE.
5. CABLE ASSEMBLY INSTRUCTIONS:
A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRA
OVER INNER FERRULE
C. INSERT CABLE INTO THE CONNECTOR.
D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR.
E. CRIMP BODY OVER INNER FERRULE USING 0.105" HEX.
F. PRESS CAP FLUSH.

1.90
[0.075]
TO BRAID

7.25
[0.285]

Diagram illustrating the assembly of a cable with a center conductor and a braided shield. The center conductor is labeled "CENTER CONDUCTOR" and has a length of 3.00 [0.118]. The braided shield is labeled "BRAID PULLED BACK OVER INNER FERRULE".


INNER FERRULE

6

Ø1.47
[0.058]



REVISIONS				
REV	DESCRIPTION	DATE	ECN	BY
A	RELEASE TO MFG.	24-SEP-24	17177	SH

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												SIZE		DRAWING NO. 31-6983		REV	
												B		ITEM NO. 31-6983		A	
THIRD ANGLE PROJ. 		REFERENCE		EAR# 10195		ENGR.1 R KARTHIK		ENGR.2 JACK LIANG		DATE 22-FEB-21		SHEET NO. 2 OF 2		SCALE: 6.5:1.0		PART NO. 31-6983	