

1. MATERIALS AND FINISHES:
BODY - BRASS, NICKEL PLATING
CONTACT PIN - PHOSPHOR BRONZE, GOLD PLATING
INSULATOR - PTFE, NATURAL
LOCK RING - BRASS, NICKEL PLATING
FERRULE - COPPER, NICKEL PLATING

2. ELECTRICAL:
A. IMPEDANCE: 75 OHM
B. FREQUENCY RANGE: DC - 12 GHz
C. RETURN LOSS (VSWR): -20dB (1.2) DC-6GHz
-15dB (1.43) 6-12GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS, MIN.

3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65°C TO $+165^{\circ}\text{C}$

4. CABLE ASSEMBLY INSTRUCTIONS

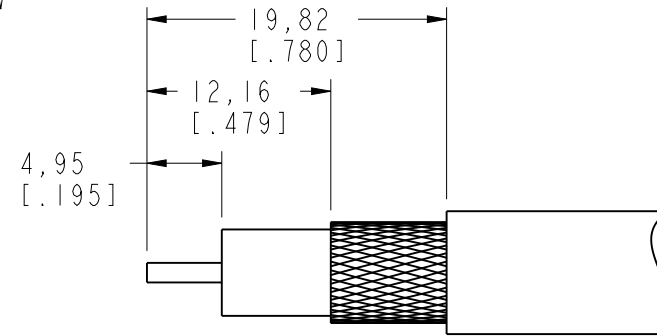
- A. TRIM CABLE AS SHOWN
- B. SLIDE INSULATOR DISC ONTO CABLE CENTER CONDUCTOR
- C. CRIMP CONTACT TO CABLE CENTER CONDUCTOR WITH A .068" HEX DIE
- D. CRIMP FERRULE WITH .324" HEX DIE

5 SHOWS CABLE ENTRY DIMENSIONS

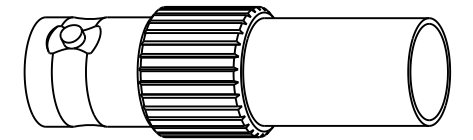
7. PACKAGING:
A. QUANTITY: SINGLE PACK
B. BAG TO BE MARKED: AMPHENOL RF
31-70539-12G
YYWW

REVISIONS

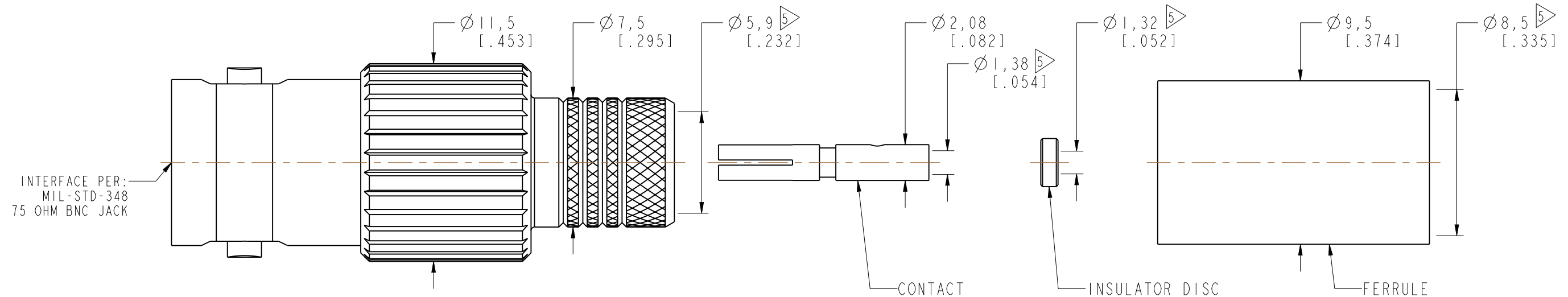
REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	19-Mar-18	7384	BMG



RECOMMENDED CABLE STRIPPING DIMENSIONS



SCALE 1.500



ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm 0.5 - 6mm 6 - 30mm 30 - 120mm ANGLES ± 0.05mm ±0.1mm ±0.2mm ± 0.3mm ±1°		MATERIAL	DRAWN	DATE	TITLE		Amphenol RF	
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		REFERENCE	ENGINEER	DATE				
		EAR# 7803	B. GREENBAUM	03-Apr-17				
		REF:	APPROVED	DATE				
		CONFIGURATION LEVEL: In Work	K. CAPOZZI	19-Mar-18				
FINISH		CAD FILE	DWG SIZE		REV		DRAWING NO. 31-70539-12G	
			B		A		ITEM NO. 31-70539-12G	
							PART NO. 31-70539-12G	