

NOTES:

REFERENCE STANDARD IEC60169-11

1. ELECTRICAL PERFORMANCE:

NOMINAL IMPEDANCE :  $50 \pm 2 \Omega$   
 FREQUENCY RANGE : DC-3.0 GHz  
 VSWR : 1.15 MAX.  
 PIM : -160dBc MAX. (2x43dBm)  
 INSERTION LOSS : 0.05 dB MAX.  
 INSULATION RESISTANCE : 5000 M $\Omega$  MIN.  
 D.W.V : 1500 VRMS.  
 CONDUCTOR RESISTANCE : OUTER CONDUCTOR 0.5 m $\Omega$  MAX.  
 INNER CONDUCTOR 1.0 m $\Omega$  MAX.

2. MECHANICAL PERFORMANCE:

(NUT) TORQUE : 10-12 N.m  
 TENSILE FORCE (CABLE-CONNECTOR) : 250 N  
 TORSION (CABLE-CONNECTOR) : 1.5 N.m

3. MATERIAL AND PLATING:

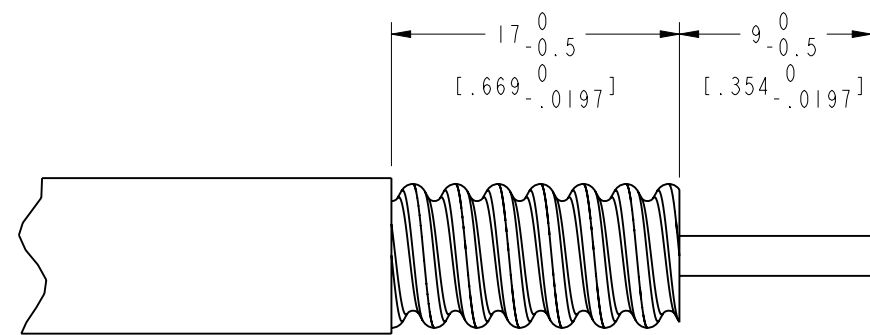
INNER CONDUCTOR : SPRING BRONZE, PLATING = Ag (5um MIN.)  
 OUTER CONDUCTOR : BRASS, PLATING = COPPER-TIN-ZINC (2um MIN.)  
 NUT : BRASS, PLATING = Ni (5um MIN.)  
 GASKET : SILICONE RUBBER  
 INSULATOR : PTFE

4. ENVIRONMENTAL:

TEMP RANGE : -40°C TO +85°C  
 WEATHER STANDARD : IEC 60068 40/ 085/ 21  
 THERMAL SHOCK : IEC 60068-2-14-NA  
 VIBRATION : IEC 60068-2-6-FC  
 SHOCK : IEC 60068-2-27  
 WATERPROOFING STANDARD : IP67

5. ASSEMBLY : INNER AND OUTER CONDUCTOR INSTALLED

6. ROHS COMPLIANT

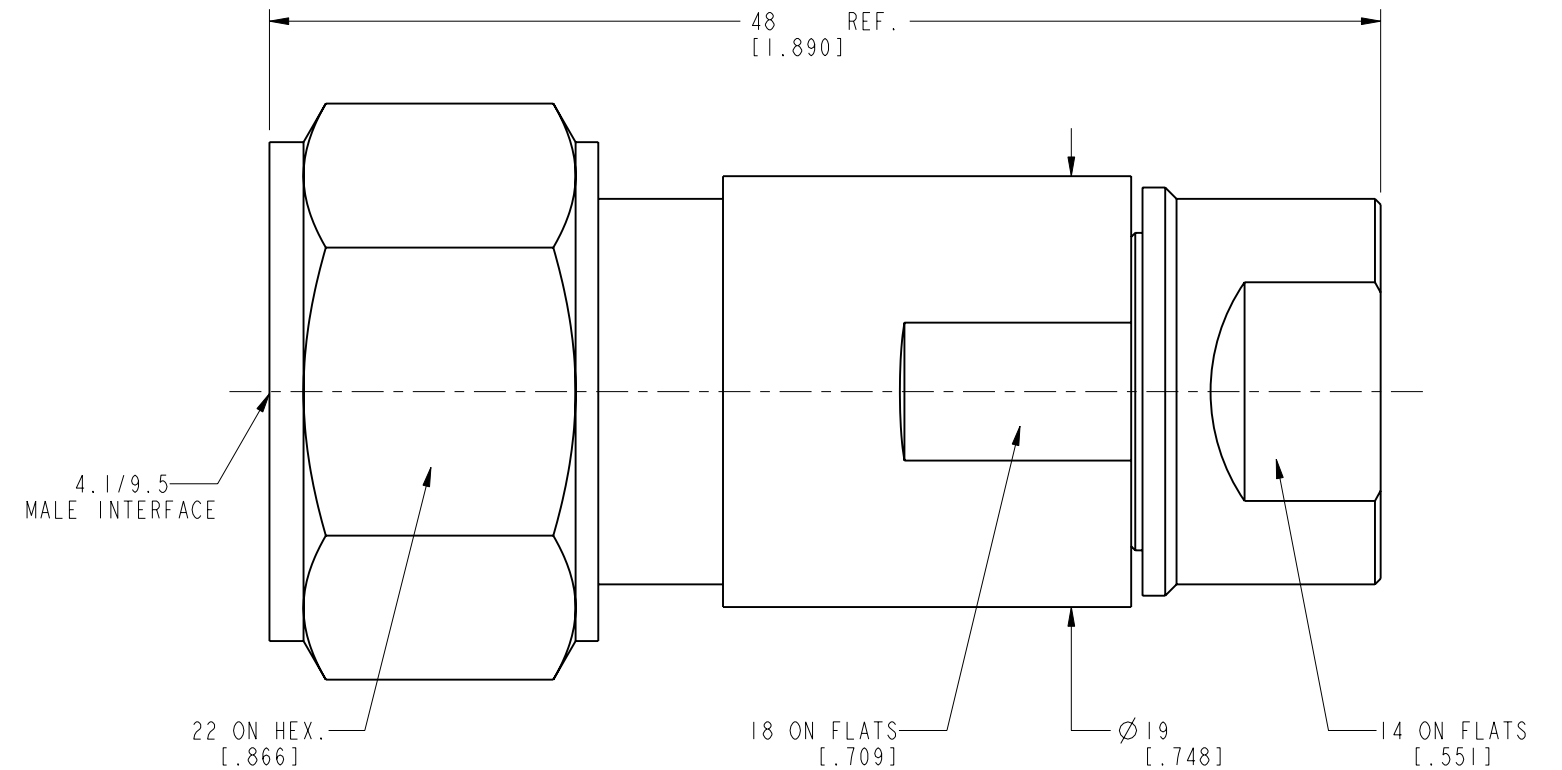
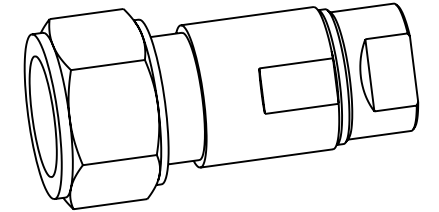


RECOMMENDED CABLE TRIMMING DIMENSIONS

THIRD ANGLE PROJECTION

REVISIONS

REV	DESCRIPTION	DATE	ECO	APPR
A	RELEASE TO MFG.	03-Oct-13		MB/BCG
B	RELEASE WITH GLOBAL FORMAT, ADDED SHEET 1	24-Aug-17	04801	SCOTT



**CUSTOMER OUTLINE DRAWING**

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE: <0.5mm ±0.05mm    0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ±0.3mm    ANGLES ±1°	MATERIAL	DRAWN	DATE	TITLE 4.1/9.5 MALE FOR 1/4" HELICAL CABLE		Amphenol RF www.amphenolrf.com	
	SEE NOTES	K. ZHANG	23-Aug-17				
	REFERENCE	ENGINEER	DATE	SCALE: 3.0:1.0   SHEET 2 OF 2		DRAWING NO. 332116 DRAWING NO. 332116	
		MOHAN	12-Sep-13				
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		B.C. GLEISSNER	13-Oct-13	B	B		