

NOTES:

REFERENCE STANDARD IEC60169-11

I. ELECTRICAL PERFORMANCE -

NOMINAL IMPEDANCE : $50 \pm 2 \Omega$
 FREQUENCY RANGE : DC-3.0 GHz
 VSWR : 1.100 MAX.
 PIM : -160dBc MAX. (2x43dBm)
 INSERTION LOSS : 0.100 dB MAX. (@ 3.0 GHz)
 INSULATION RESISTANCE : 5000 M Ω MIN.
 D.W.V : 2500 VRMS
 CONDUCTOR RESISTANCE : OUTER CONDUCTOR 0.5 m Ω MAX.
 INNER CONDUCTOR 1.0 m Ω MAX.

II. MECHANICAL PERFORMANCE -

(NUT) TORQUE : 10-12 N.m
 (NUT) WHORL PULL : 500 N
 TENSILE FORCE(CABLE-CONNECTOR) : 500 N
 TORSION(CABLE-CONNECTOR) : 4.00 N.m

III. MATERIAL AND PLATING -

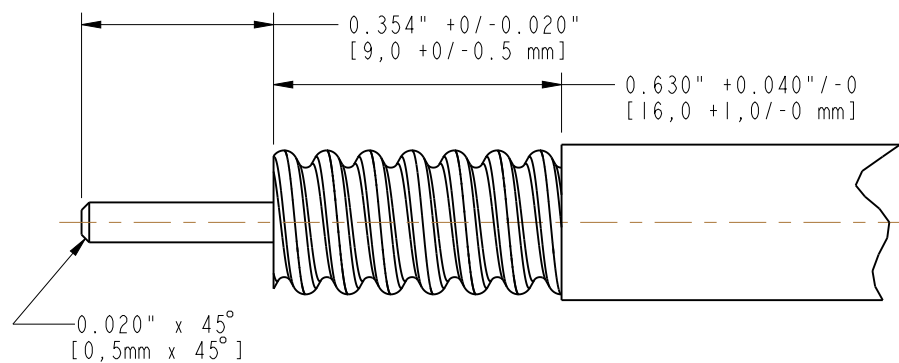
INNER CONDUCTOR : SPRING BRONZE ALLOY, PLATING = Ag (5 μ m MIN.)
 OUTER CONDUCTOR : BRASS, PLATING = COPPER-TIN-ZINC (2 μ m MIN.)
 NUT : BRASS, PLATING = NI (5 μ m MIN.)
 GASKET : SILICONE RUBBER
 INSULATOR : TPX

IV. 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 : IP68

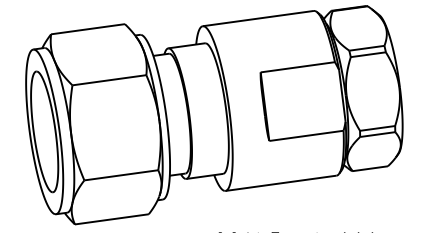
V. ASSEMBLY : INNER AND OUTER CONDUCTOR INSTALLED

VI. ROHS COMPLIANT

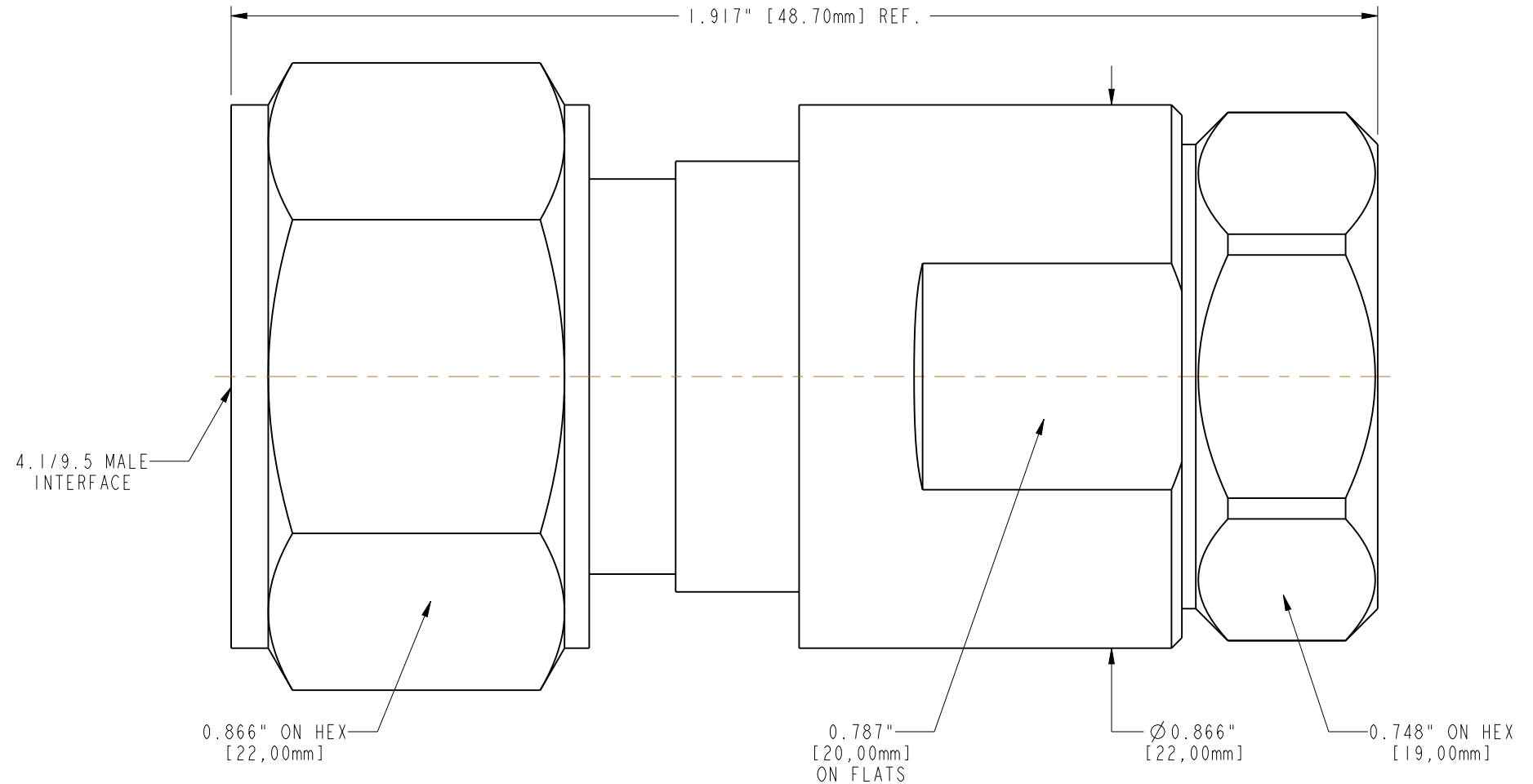


RECOMMENDED CABLE STRIPPING DIMENSIONS

332110	REVISIONS				
DRAWING NO.	REV	DESCRIPTION	DATE	ECO	APPR
THIRD ANGLE PROJ.	A	RELEASE TO MFG.	14-Oct-13	--	MB/BCG



SCALE 1.000



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE: 2 PLACE DECIMAL ± 0.015 (0,381 mm) 3 PLACE DECIMAL ± 0.005 (0,127 mm) ANGLES $\pm 1^\circ$	MATERIAL	DRAWN	DATE	TITLE	Amphenol Connex
	SEE NOTES	MOHAN	12-Sep-13	4.1/9.5 MALE FOR 1/2" HELICAL CABLE	
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		MOHAN	12-Sep-13		
		APPROVED	DATE		
	B.C. GLEISSNER	14-Oct-13			
	CAD FILE	DWG SIZE	DRAWING NO.	REV	
		B	332110	A	

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