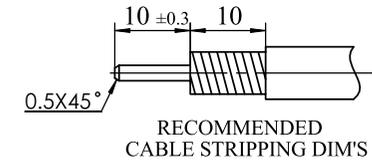
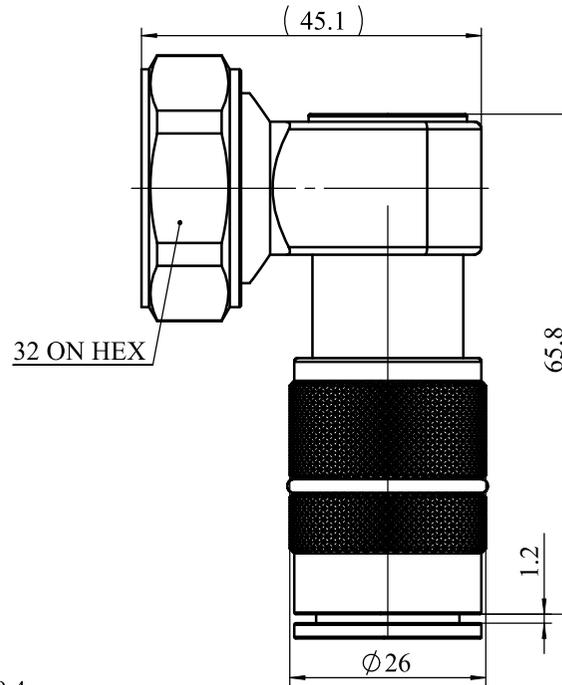


REVISIONS

REV	DESCRIPTION	DATE
0	FIRST RELEASE	2019-11-13



REFERENCE STANDARD

IEC61169-4

1. ELECTRIC PERFORMANCE

NOMINAL IMPEDANCE(Ω)	50
FREQUENCY RANGE	DC-6GHz
VSWR	≤ 1.15 (DC-3GHz)
	≤ 1.35 (3-6GHz)
	≤ 165 (2*43dBm)
PIM(dBc)	≤ 0.05
INSERT LOSS(dB)	≥ 10000
INSULATION RESISTANCE(M Ω)	3000
PROOF VOLTAGE(V)	OUTER CONDUCTOR <0.2
CONTACT RESISTANCE(m Ω)	INNER CONDUCTOR <0.8

2. MECHANICAL PERFORMANCE

NUT TORQUE	25N.m
(NUT)WHORL PULL	1000N
TENSILE FORCE(CABLE-CONNECTOR)	500N
TORSION(CABLE-CONNECTOR)	4N.m

3. MATERIAL AND PLATING

INNER CONDUCTOR	BRASS/SPRING COPPER	Ag5 μ m
OUTER CONDUCTOR	BRASS	COPPER-TIN-ZINC2 μ m
NUT	BRASS	Ni5 μ m
INSULATOR	PTFE/TPX	
GASKET	SILICONE RUBBER	

4. ENVIRONMENT

TEMP.RANGE	-40 $^{\circ}$ C~+85 $^{\circ}$ 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
ROHS COMPLIANT	

5.ASSEMBLY: INNER CONDUCTOR INSTALLED AND OUTER CONDUCTOR COMPRESSED

DRAWN WuHuaYing 2019.11.15 09:03:55 +08'00'		TITLE 7/16MA-1/2"H		 AMPHENOL FUYANG CO.,LTD CHANGZHOU, CHINA	
CHECKED YuYing 2019.11.14 14:39:41 +08'00'		SHEET 1/1		SCALE 1/1	METRIC mm
APPROVED LiBo 2019.11.14 13:36:06 +08'00'		PART NO. AFB301-1		VER 3	REV 0
		DRAWING NO. AFS-B301-1			