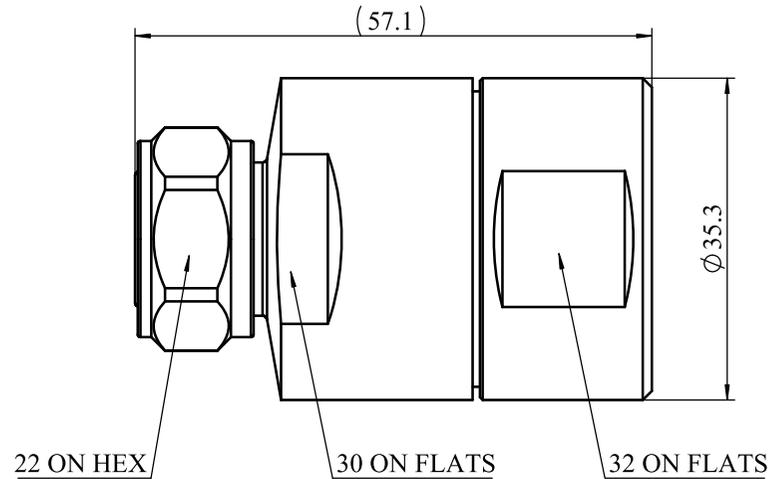


REVISIONS

REV	DESCRIPTION	DATE
0	FIRST RELEASE	2024.3.1



REFERENCE STANDARD IEC60169-54

1. ELECTRIC PERFORMANCE

NOMINAL IMPEDANCE(Ω)	50
FREQUENCY RANGE	DC-5GHz
RETURN LOSS(dB)	≤ -20.5
PIM(dBc)	$\leq -160(2*43dBm)$
INSERT LOSS(dB)	$\leq 0.05\sqrt{F}(GHz)$
INSULATION RESISTANCE(M Ω)	≥ 5000
PROOF VOLTAGE(V)	2500
CONTACT RESISTANCE(m Ω)	OUTER CONDUCTOR <1.0 INNER CONDUCTOR <1.0

2. MECHANICAL PERFORMANCE

NUT TORQUE	10N.m
TENSILE FORCE(CABLE-CONNECTOR)	500N
TORSION(CABLE-CONNECTOR)	5N.m

3. MATERIAL AND PLATING

INNER CONDUCTOR	BRASS	Ag3 μ m
OUTER CONDUCTOR	BRASS	COPPER TIN-ZINC3 μ m
NUT	BRASS	COPPER TIN-ZINC3 μ m
INSULATOR	TPX	
O-RING	SILICONE RUBBER	

4. ENVIRONMENT

TEMP.RANGE	-40°C~+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
ROHS COMPLIANT	

5.ASSEMBLY: INNER AND OUTER CONDUCTOR INSTALLED

DRAWN yuying 2024.03.01 16:59:11 +08'00'	TITLE 4.3/10SM-7/8" All Cable			 AMPHENOL FUYANG CO.,LTD CHANGZHOU, CHINA	
CHECKED WangYing 2024.03.01 17:02:30 +08'00'	DRAWING NO. AFS-DF105-1				
APPROVED ChenHuaJing 2024.03.01 17:07:33 +08'00'	SHEET 1/1	SCALE 1.5/1	METRIC mm	PART NO. AFDF105-1	