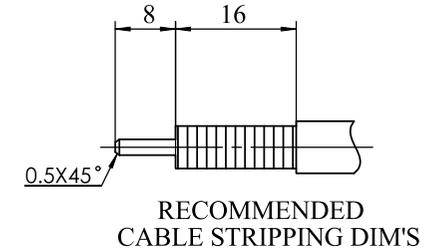
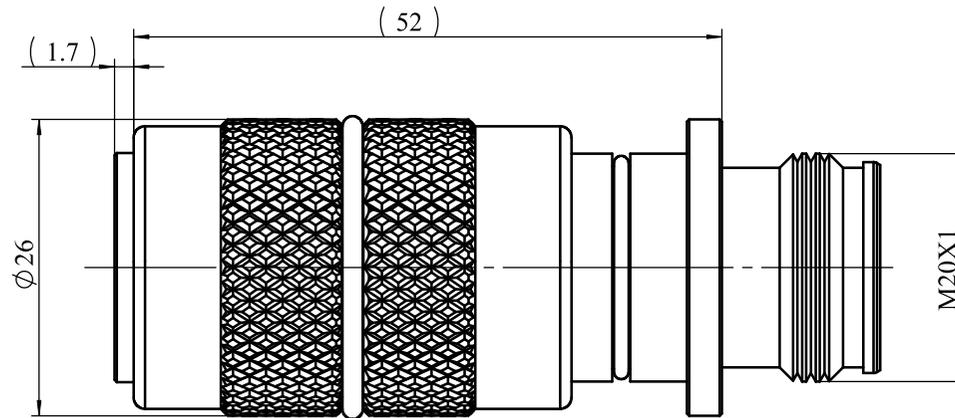


REVISIONS

VER	REV	DESCRIPTION	DATE
2	0	ADD O ring	2021-5-12



REFERENCE STANDARD

IEC61169-54

1. ELECTRIC PERFORMANCE

NOMINAL IMPEDANCE(Ω)
 FREQUENCY RANGE
 VSWR

50
 DC-6GHz
 ≤ 1.15 (DC-3GHz)
 ≤ 1.25 (3-6GHz)
 ≤ -160 (2*43dBm)

PIM(dBc)
 INSERT LOSS
 INSULATION RESISTANCE(M Ω)
 PROOF VOLTAGE(V)
 CONTACT RESISTANCE(m Ω)

≤ 0.1
 ≥ 5000
 2500
 OUTER CONDUCTOR <1.0
 INNER CONDUCTOR <1.0

2. MECHANICAL PERFORMANCE

RETENTION

$\geq 4N$ (OUTER CONDUCTOR)
 $\geq 1.5N$ (INNER CONDUCTOR)

MATING CYCLES
 AXIAL FORCE
 TENSILE FORCE(CABLE-CONNECTOR)
 TORSION(CABLE-CONNECTOR)

100
 30N
 500N
 3N.m

3. MATERIAL AND PLATING

INNER CONDUCTOR
 OUTER CONDUCTOR
 INSULATOR
 GASKET

SPRING COPPER Ag5 μ m
 BRASS COPPER-TIN-ZINC3 μ m
 TPX
 SILICONE RUBBER

4. ENVIRONMENT

TEMP.RANGE
 WEATHER STANDARD
 THERMAL SHOCK
 VIBRATION
 SHOCK
 WATERPROOFING STANDARD
 ROHS COMPLIANT

-40 $^{\circ}$ C~+85 $^{\circ}$ C
 IEC 60068 40 / 085/ 21
 IEC 60068 -2-14-Na
 IEC 60068-2-6-Fc
 IEC 60068-2-27
 IP68

5.ASSEMBLY: INNER CONDUCTOR INSTALLED AND OUTER CONDUCTOR COMPRESSED

DRAWN PanJie 2021.05.13 14:34:05 +08'00'	TITLE 4.3/10F-1/2"L &1/2"L空气电缆			 AMPHENOL FUYANG CO.,LTD CHANGZHOU, CHINA		
	CHECKED YuYing 2021.05.13 15:03:43 +08'00'	DRAWING NO. AFS-DF138-1				VER 2
APPROVED ChenHuaJing 2021.05.13 14:43:14 +08'00'	SHEET 1/1	SCALE 1.5/1	METRIC mm	PART NO. AFDF138-1		