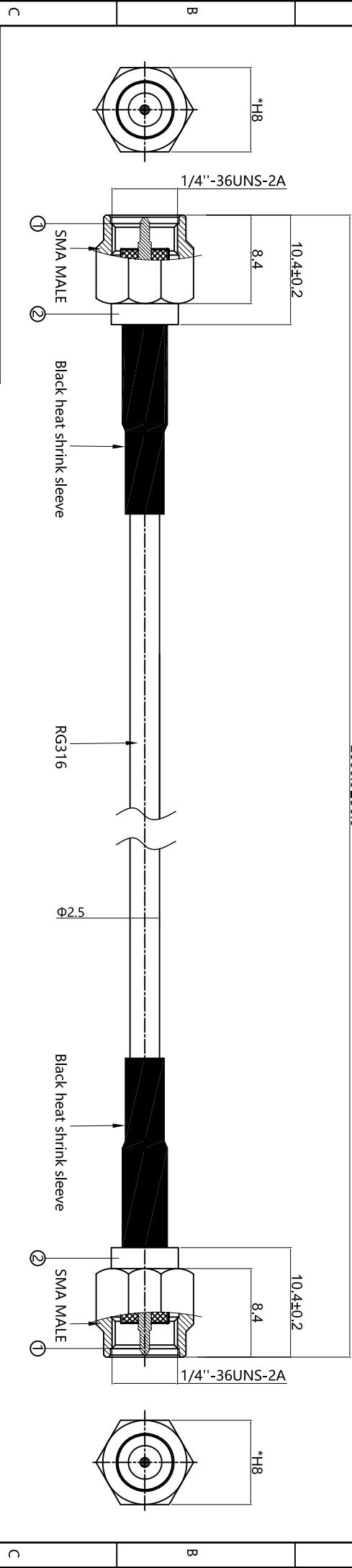


REV.	DESCRIPTION	APPD.	DATE
A	INITIAL RELEASED	Chen	02/12/2025

A	1	2	3	4	5	6	7	8
2000.0±50.0								



Technical specifications for coaxial cables/同轴电缆技术规格	
Construction Specification / 结构尺寸	
Material/材料及工艺	Diameter/直径(mm)
1.Inner conductor/内导体	7*0.175 Silver-Coated Copper/7*0.175镀银铜
2.Dielectric/绝缘介质	FEF ø1.50±0.05
3.Outer Conductor/外导体	Turned copper/覆铜铜 16*4*0.1
4.Jacket/外披	FEF/Brown ø2.5±0.05
Electrical Properties (at 20°C)/电气特性(20°C)	
电容 Capacitance	PF/m 100±5
导体电阻/Conductor	Ω/km 14±2 (Max)
Resistance	
绝缘电阻/Insulation	MΩ/km 100(Min)
Resistance	
耐压强度/AC/Dielectric Strength(AC)	V/1 Min 1000
特性阻抗/Impedance	ohm 50±2(at 1m@TDR)
最大工作电压 Max Voltage	VMS 1500
工作频率 Frequency	MHz 0-6000
耐温 (Tem)/Dielectric Strength(AC)	℃ -20 - +80
驻波比 Standing wave ratio	/ ≤1.8@0-6GHz
频率 Frequency	标准值 Standard value 单位 Unit/8m
0.5GHz	±0.64±7
0.6GHz	±0.69±7
0.8GHz	±0.80±7
1GHz	±0.94±4
2GHz	±1.39±2
3GHz	±1.80±8
4GHz	±2.04±6
5GHz	±2.7±6
6GHz	±3.6±39

SMA MALE TYPICAL SPECIFICATIONS

1.0 ELECTRICAL
1.1.FREQUENCY RANGE: DC-6GHZ
1.2.NOMINAL IMPEDANCE: 50 Ohm
1.3.WORKING VOLTAGE:335V MAX
1.4.PROOF VOLTAGE:750V
1.5.VSWR:1.4 MAX
2.0 MECHANICAL
2.1.TORSIONAL:15N·1BS MIN.
2.2.PLUGGABLE:500
3.0 ENVIRONMENTAL
3.1.OPERATING TEMPERATURE RANGE: -55°C TO +125°C
3.2.SALT SPRAY:48HOURS
3.3.RoHS COMPLIANT
3.4.REACH COMPLIANT

SMA MALE Max. Torque :1.1 Nm
Pull Force RG316 Coaxial Cables And SMA MALE≥6kgf

E	1	2	3	4	5	6	7	8
DIMENSIONS ARE IN MILLIMETERS								
UNLESS OTHERWISE SPECIFIED TOLERANCES ANGLES = ±3° UP TO 6 = ±0.1 6-40 = ±0.2 40-120 = ±0.6 120-315 = ±1.0 ABOVE 315 = ±1.6					CUS P/N: ACA-SMA-J TO SMA-J 001			
PART NO.: M00-0101700R0A					TITLE: Cable assembly			
APPD: 陈建功					DWG NO.:			
CHKD: 陈建功					SCALE SHEET REV.			
DR: 董春波					1:1 1/1 V01			

F	1	2	3	4	5	6	7	8
衰减 Attenuation								
3GHz	±1.39±2	②	Spiral tooth body	C3604 Gold plating 1u"	1			
4GHz	±2.04±6	①	PIN	C3604 Gold plating 2u"	1			
5GHz	±2.7±6	Number	Component Name	Material	Dosage			
6GHz	±3.6±39	1						