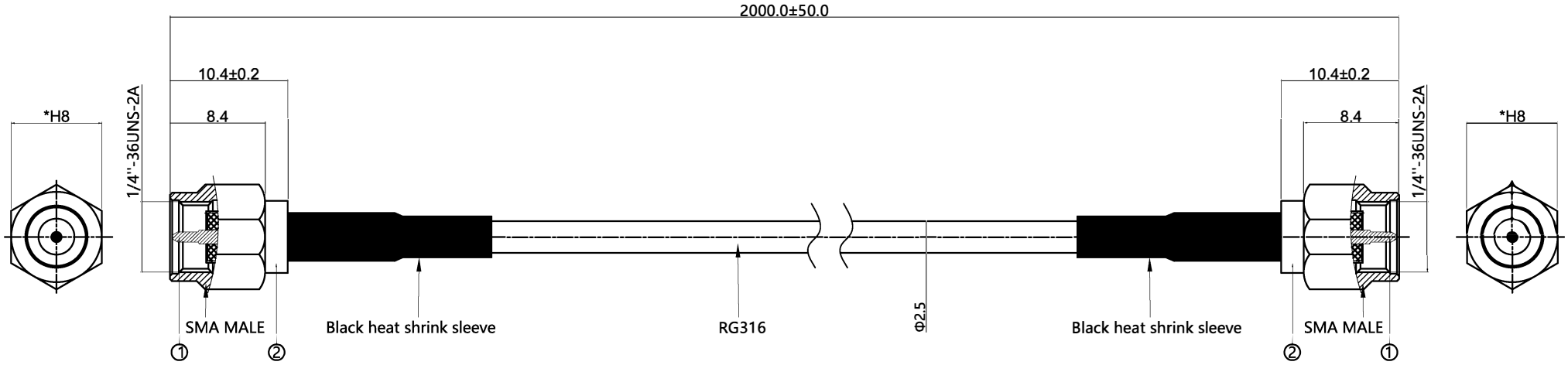
REV.	DESCRIPTION	APPD.	DATE
A	INITIAL RELEASED	Chen	02/12/2025



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	Φ0.51±0.05
2.Dielectric/绝缘介质	FEP	Φ1.50±0.05
3.Outer Conductor/外导体	Tinned copper/镀锡铜	16*4*0.1
4.Jacket/外 被	FEP/Brown	Φ2.5±0.05
Electrical Properties (at 20℃) /电气特性(20℃)		
	单位/Unit	详细资料/Details
电容 Capacitance	PF/m	100±5
导体电阻/Conductor Resistance	Ω/km	142 (Max.)
绝缘电阻/Insulation Resistance	MΩ/km	100(Min.)
耐压强度(AC)/Dielectric Strength(AC)	V/1 Min	1000
特性阻抗/Impedance	ohm	50±2(at 1ns@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
衰减 Attenuation	频率 Frequency	标准值 Standard vaalue 单位 Unit:dB/m
	0.5GHz	≤0.6447
	0.6GHz	≤0.6917
	0.8GHz	≤0.8071
	1GHz	≤0.9404
	2GHz	≤1.3982
	3GHz	≤1.8008
	4GHz	≤2.0456
	5GHz	≤2.7258
	6GHz	≤3.6239

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:15IN-1BS MIN.
2.2.PLUGGABLE:500
3.0.ENVIRONMENTAL
3.1.OPERATING TEMPERATURE RANGE: -55℃ TO +125℃
3.2.SALT SPRAY:48HOURS
3.3.RoHS COMPLIANT
3.4.REACH COMPLIANT

Number	Component Name	Material	Dosage
②	Spiral tooth body	C3604 Gold plating 1u"	1
①	PIN	C3604 Gold plating 2u"	1

SMA MALE Max. Torque :1.1 Nm

Pull Force RG316 Coaxial Cables And SMA MALE≥6kgf

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:
PART NO.: ACA-SMA-J TO SMA-J 001
M00-0101700R0A

APPD: 陈建功
CHKD: 陈建功
DR: 董春旺

ABOOSTY 爱比速

TITLE: Cable assembly

DWG NO.:

SCALE	SHEET	REV.
1:1	1/1	V01