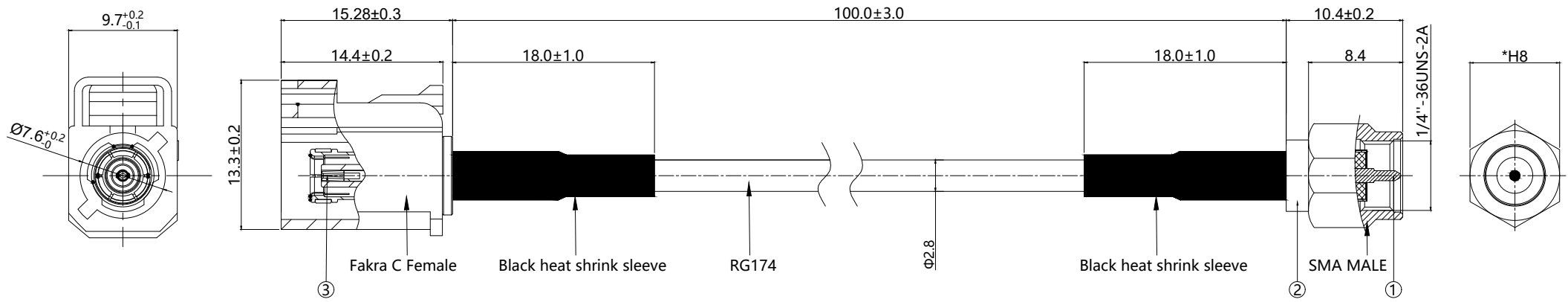


REV.	DESCRIPTION	APPD.	DATE
A	INITIAL RELEASED	Chen	2024/10/16



Technical specifications for coaxial cables/同轴电缆技术规格		Fakra C Female TYPICAL SPECIFICATIONS		
Construction Specification / 结构尺寸		1.0.ELECTRICAL		
1.Inner conductor/内导体	Material/材料及工艺 7*0.15 tinned copper wire/ 7*0.15绞合裸铜丝	Diameter/直径(mm)	1.1.FREQUENCY RANGE: DC-6GHZ	
2.Dielectric/绝缘介质	PE	1.48±0.05	1.2.NOMINAL IMPEDANCE: 50 Ohm	
3.Outer Conductor/外导体	Bare copper wire weaving/ 裸铜丝编织	16*4*0.08	1.3.INSERTION LOSS: 0.3DB MAX.	
4.Jacket/外被	PVC/黑色	2.8±0.05	1.4.INSULATION RESISTANCE:1000MΩ MINI	
Electrical Properties (at 20°C) /电气特性(20°C)		1.5.CENTER CONTACT RESISTANCE:20MΩ MINI		
单位/Unit		1.6.WORKING VOLTAGE:335V MAX		
电容 Capacitance	PF/m	100±5	1.7.DIELECTRIC WITHSTANDING VOTAGE: 500V MINI	
导体电阻/Conductor Resistance	Ω/km	142 (Max.)	1.8.VSWR:1.3 MAX.	
绝缘电阻/Insulation Resistance	MΩ/km	100(Min.)	2.0.ENVIRONMENTAL	
耐压强度(AC)/Dielectric Strength(AC)	V/1 Min	500	2.1.OPERATING TEMPERATURE RANGE: -40°C TO +85°C	
特性阻抗/Impedance	ohm	50±2(at 1ns@TDR)	2.2.SALT SPRAY:48HOURS	
最大工作电压 Max Voltage	VMS	1500	2.3.RoHS COMPLIANT	
工作频率 Frequency	MHz	0-6000	SMA MALE TYPICAL SPECIFICATIONS	
耐温 (Tem.)/Dielectric Strength(AC)	°C	-20 - +80	1.0.ELECTRICAL	
驻波比 Standing wave ratio	/	≤1.8@0-6GHz	1.1.FREQUENCY RANGE: DC-6GHZ	
衰减 Attenuation	频率 Frequency	标准值 Standard vaalue 单位 UnitdB/m	1.2.NOMINAL IMPEDANCE: 50 Ohm	
	0.5GHz	≤0.6447	1.3.WORKING VOLTAGE:335V MAX.	
	0.6GHz	≤0.6917	1.4.PROOF VOLTAGE:750V	
	0.8GHz	≤0.8071	1.5.VSWR:1.4 MAX.	
	1GHz	≤0.9404	2.0.MECHANICAL	
	2GHz	≤1.3982	2.1.TORSIONAL:15IN-1BS MIN.	
	3GHz	≤1.8008	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			3.4.REACH COMPLIANT	
③	PIN	C3604 Gold plating 2u"	1	
②	Spiral tooth body	C3604 Gold plating 1u"	1	
①	PIN	C3604 Gold plating 2u"	1	
Number	Component Name	Material	Dosage	

SMA MALE Max. Torque :1.1 Nm
 Pull Force RG174 Coaxial Cables And SMA MALE≥6kgf
 Pull Force RG174 Coaxial Cables And Fakra C Female≥9.1kgf

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-FAK-C TO
 SMA -J 001
 PART NO.:
 M00-0103870R0A

APPD: *陈建芳*
 CHKD: *陈建芳*
 DR: *董海花*

MyAntenna[®]
 TITLE: Cable assembly

DWG NO.:

SCALE	SHEET	REV.
1:1	1/1	V01