
	产品名称 Part Name	客户编码 Customer P/N	版本 Version	发布日期 Issue Date
	KSR300(PVC) Coaxial Cable		V1.0	2024-11-12




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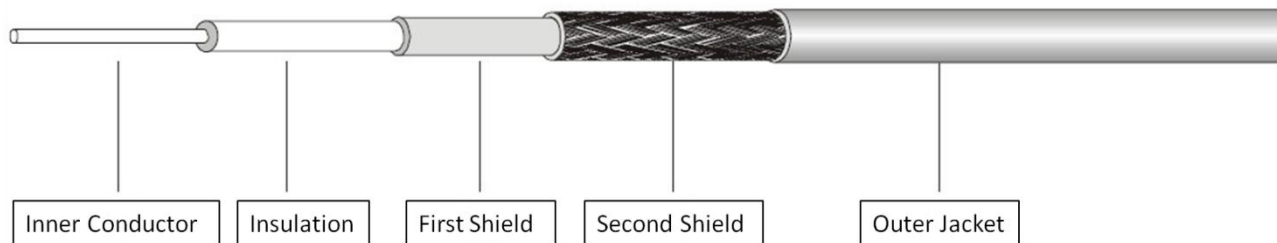
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1 产品结构和描述 Overall Structure and Description

产品截面图 Section Drawing



结构和描述 Structure and Description

序号 NO.	部件 Construction	材料 Material	尺寸 (毫米) Diameter (mm)
1	内导体 Inner Conductor	铜包铝 Copper Clad Aluminum	1.80±0.025mm
	绝缘 Insulation	物理发泡聚乙烯 Foam PE	
2	第一层屏蔽 1 st Shield	自粘铝塑复合带 Bonded Aluminum(AL/PET/AL)	Nom.4.95mm Thickness: ≥0.068mm
	第二层屏蔽 2 st Shield	镀锡铜线编织 Tin plated copper braid	
3	外护套 Outer Jacket	黑色聚氯乙烯 Black PVC	7.60±0.20mm (Normal Thickness: 1.00mm; Min. Thickness: 0.80mm; Concentric Ratio: ≥80%)
	印字 Marking	KINGSIGNAL KSR300(PVC) 50 OHM COAXIAL CABLE MMDDYY-TTTT-N *****M	
4	备注 Remark	1. The surface markings words of the cable which should accord with the corresponding regulation of the standard GB6995.1 (eqv. IEC 60304) should be clear and natty, have no overprint and lack of printing. The marking words which color should not be transferred should be affixed with the cable jacket tightly. 2. The surface markings words should be so clear to identify when they are wiped 10 times gently by water-immersed absorbent cotton or cotton.	


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2 电气性能 Electrical Characteristics

序号 NO.	性能参数 Parameter	限值 Vaule			
1	最大工作电压 (V DC)	2000			
	Max. Operating Voltage (V DC)				
2	绝缘电阻 (MΩ.km at 20 °C)	≥5000			
	Insulation Resistivity (MΩ.km at 20 °C)				
3	介质电压(1 minute, V DC)	2000 (No Crack)			
	Dielectric Strength (1 minute, V DC)				
4	护套电火花测试(V AC)	5000 (No Crack)			
	Jacket Spark test(V AC)				
5	特性阻抗	50±2 Ω			
	Characteristic Impedance				
6	互电容 (参考)	77pF/m			
	Mutual Capacitance (reference)				
7	相对传输速率 (典型值)	85%			
	Relative Propagation Velocity (Typical)				
8	峰值功率	Max. 500W			
	Peak Power Rating				
9	回波损耗 (驻波比)	300~2200MHz≤1.20 2200MHz~3000MHz≤1.28 3300MHz~6000MHz≤1.42			
	Return Loss (VSWR)				
衰减/Attenuation					
10	频率 Frequency	标称衰减值 Nominal Attenuation	频率 Frequency	标称衰减值 Nominal Attenuation	
	MHz	dB/100m	MHz	dB/100m	
	140	10.00	2500	39.00	
	350	15.00	3000	43.9	
	450	17.00	3500	47.9	
	900	22.00	4000	51.5	
	1500	29.00	4500	55.2	
	1700	31.00	5000	58.7	
	1800	32.00	5500	62.1	
	2000	34.00	5800	64.1	
	2400	37.00	6000	65.4	
	1. Nominal attenuation at 20°C cable temperature (typical) ; 2. Maximum value + 5%				
	11	认证	The completed cable shall comply with 2006/95/EC(LVD)		
Certification					

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3 物理和机械性能 Mechanical and Physical Characteristics

序号 NO.	性能参数 Parameter	限值 Vaule
1	参考重量 Reference Weight	Nom. 56kg/km
2	最大拉力 Max Tensile force	300N
3	扁平压力 Flat Plate Crush Resistance	5.4 N/ mm
4	最小弯曲半径 Min. Bending Radius	Single: 50mm Repeated: 100mm

4 防火要求 Fire Protection Requirements

无 No requirement

5 应用环境 Application environment

序号 NO.	性能参数 Parameter	限值 Vaule
1	最低安装温度 Min. Installation Temperature	-20°C
2	储存温度 Storage Temperature	-25°C ~ +70°C
3	工作温度 Operating Temperature	-25°C to +70°C

6 禁用和限制物质 Banned and Restricted Substances

2011/65/EU(RoHS)

Compliant

7 包装 Packages

According to Kingsignal packaging specifications.

8 参考文件 References

YD/T 1319

9 适用的产品编码和描述 Applicable P/N and description

KSR300 (PVC)

10 修订履历 Revision History

版本 Version	修订内容 Description	制订 Prepared By	审核 Checked By	批准 Approved By
1.0	首版 更新模板 First Version Update the template	HQP	/	Roy
		2024/11/12	/	2024/11/12