
	产品名称 Part Name	客户编码 Customer P/N	版本 Version	发布日期 Issue Date
	KSR300 Coaxial Cable (41010400211)		V1.0	2020-09-03




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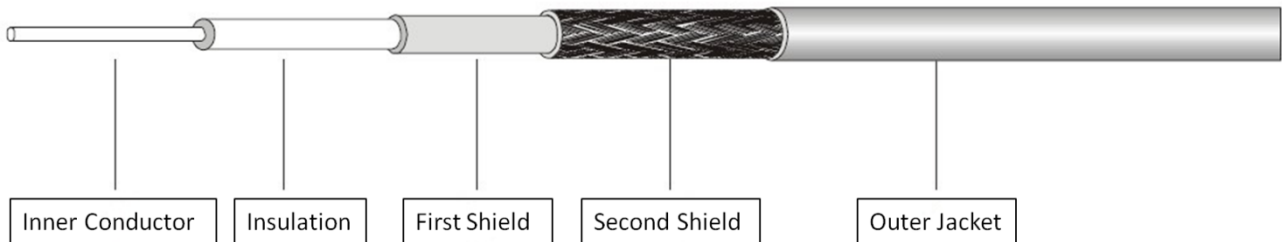
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1 产品结构和描述 Overall Structure and Description

产品截面图 Section Drawing




1.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
2	绝缘 Insulation	物理发泡聚乙烯 Foam PE	4.80±0.20mm (Normal Thickness: 1.50mm; Min. Thickness: 1.25mm; Concentric Ratio: ≥85%)
3	第一层屏蔽 1 st Shield	自粘铝塑复合带 Bonded Aluminum(AL/PET/AL)	-
4	第二层屏蔽 2 st Shield	镀锡铜 Tinned Copper Wire	Braid Coverage: ≥80% Diameter: 5.60±0.20mm
5	外护套 Outer Jacket	黑色聚乙烯 Black PE	7.60±0.20mm (Normal Thickness: 1.00mm; Min. Thickness: 0.80mm; Concentric Ratio: ≥80%)
6	印字 Marking	KINGSIGNAL KSR300 50 OHM COAXIAL CABLE MMDDYY-TTTT-N *****M RoHS	
7	备注 Remark	<p>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.</p> <p>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.</p>	

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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) Max. Operating Voltage (V DC)	2000
2	绝缘电阻 (MΩ.km at 20 °C) Insulation Resistivity (MΩ.km at 20 °C)	≥5000
3	介质电压(1 minute, V DC) Dielectric Strength (1 minute, V DC)	2000 (No Crack)
4	特性阻抗 Characteristic Impedance	50±2 Ω (DC~3000MHz)
5	互电容 (参考) Mutual Capacitance (reference)	Nom. 77pF/m
6	屏蔽效率 Shielding Effectiveness	≥90dB
7	相对传输速率 (典型值) Relative Propagation Velocity (Typical)	84%
8	峰值功率 Peak Power Rating	Max. 10kW
9	回波损耗 (驻波比) Return Loss (VSWR)	DC~2200MHz≤1.15 2200MHz~3000MHz≤1.25 3200MHz~6000MHz≤1.42
10	衰减/Attenuation	
	频率/Frequency	标称衰减值/Nominal Attenuation
	MHz	dB/100m dB/100ft
	140	10.00 2.44
	350	15.00 3.96
	450	17.00 4.57
	900	22.00 6.71
	1500	29.00 8.39
	1700	31.00 9.05
	1800	32.00 9.76
	2000	34.00 10.37
	2400	37.00 11.28
	2500	39.00 11.89
	3000	43.90 13.38
	4000	46.85 14.28
	5000	53.15 16.17
6000	58.56 17.85	
1. Nominal attenuation at 20°C cable temperature (typical) ; Maximum value + 5%		
11	认证 Certification	The completed cable shall comply with 2006/95/EC(LVD)

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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. 50kg/km
2	最大拉力 Max Tensile force	300N
3	扁平压力 Flat Plate Crush Resistance	5.4 N/ mm
4	双85 Double 85	Conditions: 85°C±2°C,85%±5%,500h Result: no crack
5	最小弯曲半径 Min. Bending Radius	Single: 50mm Repeated: 100mm
6	日光老化/ Sunlight aging	
6.1	日光老化 300 小时/ Sunlight aging 300h	
6.1.1	老化后护套抗拉强度变化率 Aged Jacket tensile strength variety rate	≤±15%
6.1.2	老化后护套伸长率变化率 Aged Jacket elongation variety rate	≤±15%
6.2	日光老化 720 小时/ Sunlight aging 720h	
6.2.1	老化后护套抗拉强度变化率 Aged Jacket tensile strength variety rate	≤±20%
6.2.2	老化后护套伸长率变化率 Aged Jacket elongation variety rate	≤±20%

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	-55°C ~ +85°C
3	工作温度 Operating Temperature	-40°C to +85°C

6 禁用和限制物质 Banned and Restricted Substances

2011/65/EU (RoHS)

Compliant

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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

41010400211 KSR300

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	第一版 First version	HQP	/	Roy
		2020/09/03	/	2020/09/03