
	产品名称 Part Name	客户编码 Customer P/N	版本 Version	发布日期 Issue Date
	KSR400UF Coaxial Cable		V1.1	2023-06-25




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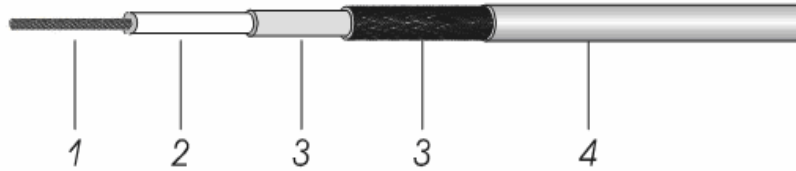
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1 产品结构和描述 Overall Structure and Description

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	裸铜绞线 Bare copper stranded	2.74±0.05mm
	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)	/
	第二层屏蔽 2 st Shield	镀锡铜 Tinned Copper Wire	
3	外护套 Outer Jacket	黑色热塑性弹性体 Black TPE	10.10±0.30mm
	印字 Marking	KINGSIGNAL KSR400UF 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)	2500	
	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	特性阻抗	50 ± 2 Ω	
	Characteristic Impedance		
5	互电容 (参考)	78pF/m	
	Mutual Capacitance (reference)		
6	相对传输速率 (典型值)	83%	
	Relative Propagation Velocity (Typical)		
7	峰值功率	Max. 16kW	
	Peak Power Rating		
8	回波损耗 (驻波比)	30~3000MHz ≤ 1.28	
	Return Loss (VSWR)		
9	衰减/Attenuation		
	频率/Frequency	最大衰减/ Maximum Attenuation	
	MHz	dB/100m	dB/100ft
	30	3.02	0.92
	50	3.97	1.21
	150	6.03	1.84
	220	7.35	2.24
	450	11.06	3.37
	700	13.78	4.20
	750	14.27	4.35
	800	14.76	4.50
	900	15.72	4.79
	1500	20.75	6.32
	1800	22.77	6.94
	2000	24.11	7.35
	2500	27.11	8.26
	5800	43.48	13.25
1. Maximum attenuation at 20°C cable temperature;			
10	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. 135kg/km
2	最大拉力 Max Tensile force	726N
3	扁平压力 Flat Plate Crush Resistance	3.6N/ mm
4	最小弯曲半径 Min. Bending Radius	Single: 25.4mm Repeated: 101.6mm

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

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

KSR400UF 41010400001

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	HQP	/	Roy
		2022/09/18	/	2021/09/18
1.1	更新护套材质“TPE”	HQP	/	Roy
		2023/06/25	/	2023/06/25