

	产品名称 Part Name	客户编码 Customer P/N	版本 Version	发布日期 Issue Date
	KSR400 (Cu) Coaxial Cable		V1.0	2024-03-07



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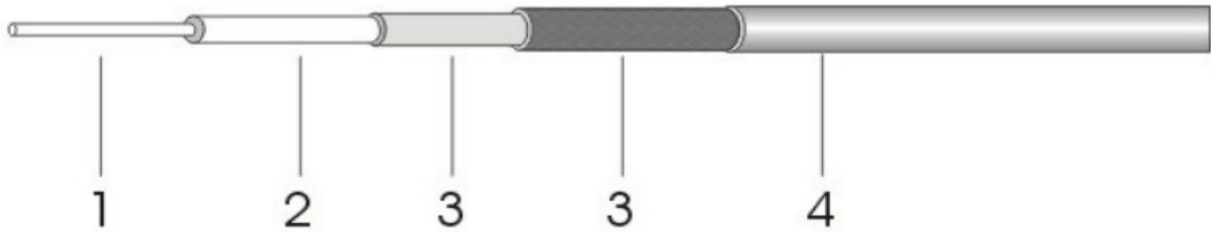
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1 产品结构和描述 Overall Structure and Description

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	裸铜	2.62±0.025
	Inner Conductor	Bare copper wire	
2	绝缘	物理发泡聚乙烯	7.24±0.15
	Insulation	Foam PE	
3	第一层屏蔽	自粘铝塑复合带	/
	1 st Shield	Bonded Aluminum(AL/PET/AL)	
3	第二层屏蔽	镀锡铜线编织	Nom. 8.13
	2 st Shield	Tin plated copper braid	Braid Coverage:≥80%
4	外护套	黑色聚聚乙烯	10.16±0.2
	Outer Jacket	Black PE	
5	印字	KINGSIGNAL KSR400 (Cu) 50 OHM COAXIAL CABLE MMDDYY-TTTT-N *****M	
	Marking		
6	备注	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.	
	Remark		

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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)		600	
	Max. Operating Voltage (V DC)			
2	绝缘电阻 (MΩ.km at 20 ℃)		≥5000	
	Insulation Resistivity (MΩ.km at 20 ℃)			
3	介质电压(1 minute, V DC)		2000 (No Crack)	
	Dielectric Strength (1 minute, V DC)			
4	护套耐压 (kV AC)		5.0	
	Jacket Spark Test Voltage (kV AC)			
5	特性阻抗		50±2 Ω	
	Characteristic Impedance			
6	互电容 (参考)		85.3pF/m	
	Mutual Capacitance (reference)			
7	相对传输速率 (典型值)		81%	
	Relative Propagation Velocity (Typical)			
8	回波损耗 (驻波比)		300~3000MHz≤1.28 3200~4000MHz≤1.35	
	Return Loss (VSWR)			
9	衰减/Attenuation			
	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
	150	5	1800	21
	450	9.5	1900	21.9
	800	13	2450	25.5
	900	13.8	3500	33
	1200	16.4	6000	47.5
	1. Nominal attenuation at 20℃ cable temperature (typical) ; 2. Maximum value + 5%			
	10	认证	The completed cable shall comply with 2006/95/EC(LVD), 2011/65/EU(RoHS)	
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	护套抗拉强度	≥10MPa
	Jacket tensile	
2	护套伸长率	≥125%
	Jacket elongation	
3	单次弯曲半径 (mm)	25.4
	Bending radius once/	
4	多次弯曲半径 (mm)	101.6
	Flexible application radius	
5	耐日光	UL1581-1200
	Sunlight resistant	

4 防火要求 Fire Protection Requirements

N/A

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	-40℃
	Min. Installation Temperature	
2	储存温度	-40℃ to +80℃
	Storage Temperature	
3	工作温度	-60℃ to +80℃
	Operating Temperature	

6 禁用和限制物质 Banned and Restricted Substances

2011/65/EU (EU)&2015/863

Compliant

7 包装 Packages

According to Kingsignal packaging specifications.

8 参考文件 References

NA

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

KSR400(Cu)

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
		2024/03/07	/	2024/03/07