
	产品名称 Part Name	客户编码 Customer P/N	版本 Version	发布日期 Issue Date
	KSR500 (PVC) TC Coaxial Cable		V1.0	2024/10/28




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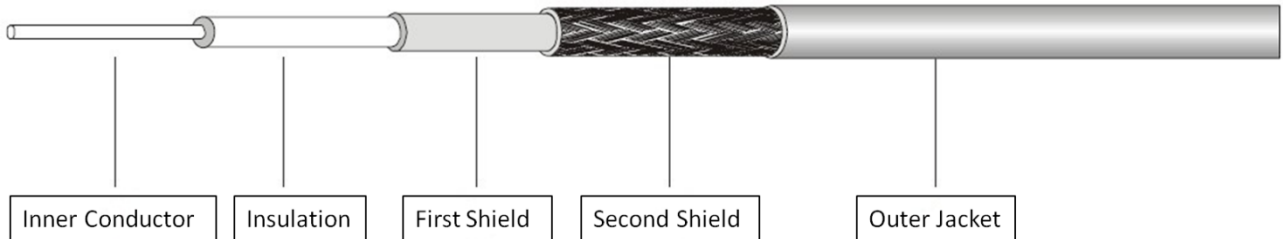
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1 产品结构和描述 Overall Structure and Description

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/in)
1	内导体	铜包铝线	3.61±0.03
	Inner Conductor	Copper clad aluminium	
2	绝缘	物理发泡聚乙烯	9.40±0.25
	Insulation	Foam PE	
3	第一层屏蔽	自粘铝箔	/
	1 st Shield	Bonded aluminum foil	
3	第二层屏蔽	镀锡铜线	Nom. 10.29, ≥86% coverage
	2 st Shield	TCWire	
4	外护套	聚氯乙烯 (黑色)	12.70±0.30
	Outer Jacket	PVC (black)	
5	印字	KINGSIGNAL KSR500 (PVC) 50 OHM COAXIAL CABLE MMDDYY-TTTT-N *****M	
	Marking		
7	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 Value
1	电容	Nom.78 pF/m
	Capacitance	
2	护套电火花测试(V AC)	8000 (No Crack)
	Jacket Spark test(V AC)	
3	特性阻抗	50±2 Ω
	Characteristic Impedance	
4	相对传输速率 (典型值)	86%
	Relative Propagation Velocity (Typical)	
5	绝缘电阻 (MΩ·km)	5000
	Dielectric resistance	
6	回波损耗	30~3000MHz ≤-20.8dB
	Return Loss	3300~6000MHz ≤-18.2dB
衰减/Attenuation		
7	频率/Frequency	衰减值/ Attenuation
	MHz	dB/100m
	30 MHz	1.97
	50MHz	2.30
	150MHz	3.94
	220MHz	4.92
	450MHz	7.22
	900MHz	10.17
	1500MHz	13.45
	1800MHz	15.09
	2000MHz	15.75
	2500MHz	18.04
	3000 MHz	20.01
	5800MHz	30.42
	6000MHz	31.05
Nominal attenuation at 20°C cable temperature (typical) . Maximum value + 5%.		

3 物理和机械性能 Mechanical and Physical Characteristics

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序号 NO.	性能参数 Parameter	限值 Vaule
1	最小弯曲半径 Min. Bending Radius	Single: 31.8m Repeated: 127mm
	护套抗拉强度 Jacket Tensile	≥12.5Mpa
3	护套伸长率 Jacket Elongation	≥150%

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
	储存温度 Storage Temperature	-25°C to +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 (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

KSR500(PVC)(TC)

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
		2024/10/28	/	2024/10/28