
	产品名称 Part Name	客户编码 Customer P/N	版本 Version	发布日期 Issue Date
	RG214 (PVC) Coaxial Cable		V1.0	2021-03-11




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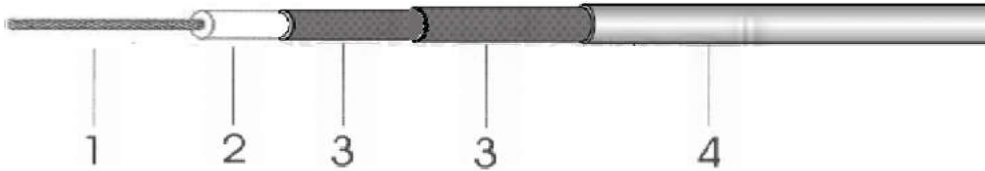
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1 产品结构和描述 Overall Structure and Description

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	镀银铜绞线 Silver plated copper	7*0.752±0.008mm/Nom2.26
2	绝缘 Insulation	实心聚乙烯 Solid PE	7.24±0.13mm (Concentric Ratio: ≥85%)
3	第二层屏蔽 2 <sup>st</sup> Shield	镀银铜丝编织(密度 90%) Silver plated copper Braid (Coverage 90%)	/
3	第二层屏蔽 3 <sup>st</sup> Shield	镀银铜丝编织(密度 90%) Silver plated copper Braid (Coverage 90%)	Nom.8.4mm
4	外护套 Outer Jacket	黑色聚氯乙烯 Black PVC	10.8±0.2mm
5	印字 Marking	According to customer requirement	
7	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)	
4	绝缘电阻 (MΩ.km at 20 °C)	≥5000
	Insulation Resistivity (MΩ.km at 20 °C)	
5	介质电压(1 minute, V DC)	5000 (No Crack)
	Dielectric Strength (1 minute, V DC)	
6	护套电火花测试 (V AC)	5000 (No Crack)
	Jacket Spark test(V AC)	
7	特性阻抗	50 ± 2 Ω
	Characteristic Impedance	
8	互电容 (参考/pF/m)	101
	Mutual Capacitance (reference/pF/m)	
9	相对传输速率 (典型值)	66%
	Relative Propagation Velocity (Typical)	
10	回波损耗	10~3000MHz ≤-18dB
	Return Loss	Test cable length: ≥5m
11	衰减/Attenuation	
	频率/Frequency	典型值衰减/Typical Attenuation
	MHz	dB/100m
	10	2.00
	100	6.47
	1000	24.00
	3000	44.38
	5000	68.10
10000	114.00	
最大值Maximum +10%		
12	认证	The completed cable shall comply with 2006/95/EC(LVD), 2011/65/EU(RoHS)
	Certification	

## 3 物理和机械性能 Mechanical and Physical Characteristics

序号 NO.	性能参数 Parameter	限值 Vaule
1	最小弯曲半径	Single: 50mm
	Min. Bending Radius	Repeated: 205mm

## 4 防火要求 Fire Protection Requirements

无 No requirement

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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	-25°C
2	储存温度 Storage Temperature	-25°C to +70°C
3	工作温度 Operating Temperature	-20°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

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

41010600036 RG214 (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	第一版 First version	黄奇平 Qiping.Huang	/	王谦 Roy.Wang
		2021/03/11	/	2021/03/11