

## 41010400026 RG8 规格书

41010400026 RG8 Specification



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深圳金信诺高新技术股份有限公司

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# 修订记录

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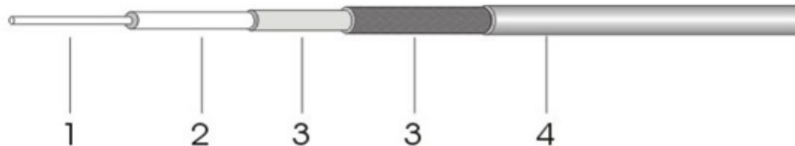
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## 1 基本要求 Basic Requirement

工作温度范围 Working temperature range	-40℃~85℃
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## 2 外观/结构 Appearance/ Construction

### 2.1 轮廓图 Outline Drawing



### 2.2 外观要求 Appearance Requirements

线缆表面无明显鼓包、胶粒、凹陷、破损、刮痕、有机物、出油，无明显扭曲变形，印字清晰可读、连续、完整。

The surface of the cable has no obvious bulge, rubber particles, depressions, breakage, scratches, organic matter, oil, no obvious distortion, and the printing is clear, readable, continuous and complete.

## 3 类型和规格 Type and Spec

### 3.1 内导体 Inner Conductor

材料 Material: 铜包铝线 Copper clad aluminum

内导体直径（包含公差） Inner Conductor Diameter (with tolerance):  $2.74 \pm 0.025 \text{mm}$

### 3.2 绝缘体 Insulation

材料 Material: 发泡聚乙烯 Foam PE

绝缘体直径（包含公差） Insulation Diameter (with tolerance):  $7.24 \text{mm} \pm 0.13 \text{mm}$

### 3.3 外导体 Out Conductor

材料 Material: 自粘铝箔+编织镀锡铜线 Bonded Aluminum foil +Braid Tinned copper

外导体直径（包含公差） Outer Conductor Diameter (with tolerance): No.8.13mm

### 3.4 护套 Jacket

材料 Material: 聚乙烯 PE

护套直径（包含公差） Jacket Diameter (with tolerance):  $10.16 \text{mm} \pm 0.20 \text{mm}$

外护套颜色 Outer Jacket Color: 黑 Black

## 4 电气性能 Electrical Characteristics

### 4.1 特性阻抗 Characteristic Impedance

50Ω±2Ω

4.2 电容 Capacitance

Nom.78pF/m

4.3 传输速率 Velocity

85%

4.4 绝缘电阻 Insulation Resistance

≥5000 MΩ.km

4.5 绝缘耐压 Dielectric strength

2.5KV

4.6 护套耐压 Jacket Spark Test Voltage

5.0KV

4.7 驻波比 VSWR

300-3000MHz ≤1.20

4.8 海平面 20℃下衰减 Attenuation@20℃and Sea Level

Freq(MHz)	Nom. Attenuation (dB/100m)
140	6.0
350	9.0
900	15.0
1800	21.0
1900	22.0
2500	25.0
3000	28.0

5 物理、机械性能 Mechanical and Physical Characteristics

5.1 最小单次弯曲半径 Min. Single Bending Radius

25.4mm

5.2 最小重复弯曲半径 Min. Repeated Bending Radius

101.6mm

5.3 护套抗拉强度 Jacket Tensile

≥13Mpa

5.4 护套伸长率 Jacket Elongation

500%

5.5 环保 RoHS/REACH

Yes

6.包装、存储和运输要求 Packaging, Storage and Transportation Requirements

6.1 存储要求 Storage Requirements

存储温度为  $10^{\circ}\text{C} \sim +35^{\circ}\text{C}$ ，相对湿度  $\leq 80\%$ ，周围空气中无酸性、碱性等腐蚀性气体。

Temperature  $10^{\circ}\text{C} \sim +35^{\circ}\text{C}$ , relative humidity  $\leq 80\%$ , the surrounding air without acid, alkaline and other corrosive gases.

## 6.2 运输要求 Transport Requirement

运输搬运过程中不要剧烈振动或碰撞。

Don't be violent vibration and impact during transportation or carrying.