**产 品 规 格 书**

**Product specification**

1. 产品描述

product description

1.1本产品是 Teflon 绝缘系列柔软同轴电缆线,适用于微波设备、无线通信设备系统和设备。

This product is soft Teflon insulation series coaxial cable.Is suitable for the microwave equipment, wireless communication systems and equipment。

产品特征：极好的柔软性，低驻波比，良好的屏蔽性能，精确的相位匹配。 Product features ： Excellent flexi-ability, good V.S.W.R, good shielding

performance

|  |  |  |  |
| --- | --- | --- | --- |
| 项 目  Item | | 单位  NO | 材质及尺寸  Materials and size |
| 内导体  Inner conductor | 材 质  Material | / | 镀银铜线  Silver plated copper wire |
| 构成  Composition | mm | 7/0.175±0.003 |
| 外 径  OD | mm | Φ 0.51 |
| 绝 缘  Insulation | 材 质  Material | / | Teflon PTFE(250 度 聚四氟乙烯)  Teflon PTFE (250 degree PTFE) |
| 厚度  Thickness | mm | 0.50 |
| 外 径  OD | mm | Φ 1.52±0.05 |
| 颜色  Color | / | 本 色  Origind color |
| 外导体(1)  Outer conductor | 材 质  Material |  | 镀银铜线 Silver plated copper wire |
| 形 式  Form | / | 编 织  Weave |
| 密度  Density | % | 90%(19 目（ Mesh ）； 80 编（ Coding  5\*16/0.10）) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 外 径  OD | mm | Φ 1.92±0.05 |  |
| 外导体(2)  Outer conductor | 材 质  Material |  | 镀银铜线 Silver plated copper wire |
| 形 式  Form | / | 编 织  Weave |
| 密度  Density | % | 93%(15 目（ Mesh ）； 80 编（ Coding  5\*16/0.10）） |
| 外 径  OD | mm | Φ 2.32±0.05 |
| 护 套  Jacket | 材 质  Material | / | Teflon FEP(200 度 聚全氟乙烯-丙烯树脂)  Teflon FEP(200 degrees of fluorinated ethylene propylene resin) |
| 厚度  Thickness | mm | 0.315 |
| 外 径  OD | mm | Φ 2.95±0.08 |
| 护套颜色  color of sheath | / | 棕色(也可按客户要求加工)  Brown（Can also be processed according to customer requirements） |

3.电缆特性

The cable properties

3.1 电气性能

Electrical properties

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 测试项目  test project | 标准要求  Standard value | | | 备注  Note |
| 额定温度/电压  Rated temperature / voltage | -55℃～+105℃ / 30V | | | / |
| 绝缘电阻  Insulation resistance | 3000MΩ .Km | | | 电阻测试仪  Resistance tester |
| 导体电阻  Conductor resistance | 281Ω /Km 20℃ | | | / |
| 耐 压  Pressure | 2KV | | | 耐压测试仪  Withstand voltage tester |
| 绝 缘  Insulation | 未老化前  Unaged | 抗拉强度  Tensile Strength | 2500 PSI MIN.（1.76Kg/mm²） | |
| 延伸率  Elongation | 200％ MIN | |
| 老化后  Aged | 抗拉强度  Tensile Strength | 2500 PSI\*75％(168HRS\*232℃) | |
| 延伸率  Elongation | 200％ MIN\*75％(168HRS\*232℃) | |
| 护 套  Jacket | 未老化前  Unaged | 抗拉强度  Tensile Strength | 2500 PSI MIN.（1.76Kg/mm²） | |
| 延伸率  Elongation | 200％ MIN | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 老化后  Aged | 抗拉强度  Tensile Strength | 2500 PSI\*75％(168HRS\*232℃) |  |
| 延伸率  Elongation | 200％ MIN\*75％(168HRS\*232℃) |
| 特性阻抗  characteristic impedance | 50±2Ω | | 网析分析仪、TRK 测试仪  Analysis of network analyzer The TRK tester |
| 电容  Capacitance | 95.8 PF/M | | 数字电容仪  Digital capacitance meter |
| 传输速率  Velocity | 69．5% | | 网析分析仪  Analysis of network analyzer |
| 传输延迟  Propagation Delay | 4．8ns/m | | / |
| 屏蔽率减  Shielding attenuation | 100dB | | / |
| 弯曲半径  Bending radius | ＜7mm | | / |
| 阻燃性（UL）  Flame retardant | passed | | VW-1 提供材料报告  VW-1 provides material report |
| 屏蔽衰减（dB/m）  Attenuation(dB/m) | 测试频率  test frequency | 衰减  Attenuation | 海平面 20℃测试  Sea level to 20 DEG C test |
| 0.1GHz | 0.26 |
| 0.4GHz | 0.55 |
| 1GHz | 0.88 |
| 2GHz | 1.30 |
| 3GHz | 1.72 |
| 4GHz | 2.10 |
| 5GHz | 2.42 |
| 6GHz | 2.65 |
| 驻波比  VSWR | 0.3—3GHz | ≤1.30 |
| 3—6GHz | ≤1.35 |

4.包装要求

Packaging requirements

* 1. 包装长度: 300 米

Package length:300 meters 包装方式: 轴,

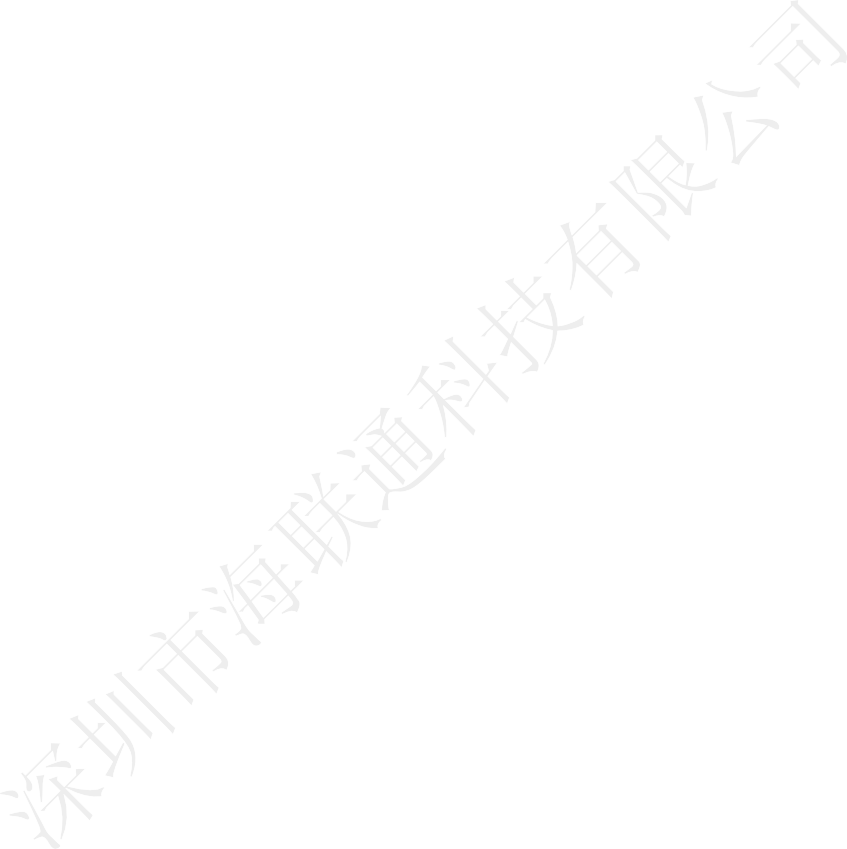
The way of packing：Volume 最短线长度: ≥20 米

The stub length：≥20 meters 最短线比例: 15%

The proportion of short-term：15%

* 1. 包装标识:标准或按客户要求.

Packaging and labeling: standard or according to customer requirements.

我司产品执行 UL-1979 标准，暂不提供 UL 标准认证号，可提供 SGS、MSDM 报告。

Our products are the implementation of UL-1979 standard,does not provide UL certification standards, can provide SGS, MSDM report.

此规格书只适用于常规线材，若客户所需线材为特殊规格的，请以线材承认书为准。 This specification is only for conventional wire, if the customer needed to

wire for special specification, please refer to our wire admitted that book.