

低损耗同轴电缆 ALSR200-UF TPE

Low-Loss Coaxial Cable ALSR200-UF TPE

1. 产品描述 PRODUCT DESCRIPTION



- 发泡同轴电缆系列 Series ALSR Foam Coaxial Cable
- 实芯裸铜内导体 Bare Copper Conductor
- 发泡聚乙烯绝缘 Foam Polyolefin Dielectric
- 纵包自粘铝箔屏蔽 Laminate Aluminum Tape Shield
- 镀锡铜丝编织屏蔽 Tinned Copper Braid 90%
- 黑色热塑性弹性体护套 Black TPE Jacket
- 电缆表面印字 Surface Printing:

2. 产品结构参数 STRUCTURAL PARAMETERS INFORMATION

材料 Material	结构描述 Detail	尺寸 Size mm	颜色 Color
内导体 Inner Conductor	铜 Bare Copper	7/0.40+0.02	铜色 Coppery
绝缘 Dielectric	发泡聚乙烯 Foam PE	2.95+0.10	白色 White
屏蔽 1st Outer Conductor	粘铝箔 Laminate Aluminum Tape	3.10+0.15	银色 Silvery
屏蔽 2st Outer Conductor	镀锡铜 Tinned-Copper Braid (112 x Φ0.12mm)	3.60+0.15	银色 Silvery
护套 Jacket	热塑性弹性体 TPE	5.00+0.10	黑色 Black

3. 物理机械性能 PHYSICAL MECHANICAL SPECIFICATIONS

类别 Item	单位 Unit	数据 Data
弯曲半径 Minimum Bend Radius	动态 Loaded /mm	50
	静态 Unloaded /mm	25
温度 Temperature Rating	°C	-40~+80

4. 电性能 ELECTRICAL SPECIFICATIONS

类别 Item	单位 Unit	数据 Data
特性阻抗 Impedance	Ω	50±3
速率 Capacitance	pF/m	80±3
电容 Velocity ratio Propagation	%	80
直流电阻 Resistance - 内导体 Inner Conductor	Ω/km	24.6
直流电阻 Resistance - 外导体 Outer Conductor	Ω/km	16.1
绝缘电阻 Insulation resistance	MΩ.km	1000
耐压 Dielectric strength	V(DC)	1000
护套电压 Withstand voltage of jacket	V(AC)	3000
最高工作频率 Maximum operating frequency	MHz	3000

5. 衰减及平均功率 Attenuation and Avg. Power, Typical value (20°C) (Allowable tolerance +15%)

频率 Frequency	衰减 Attenuation (dB/100m)
150	18.84
220	22.80
450	32.88
900	46.92
1500	61.08
1800	67.08
2000	70.92
2500	79.68
3000	80.40
3500	87.20
4000	93.70
5000	105.7
5500	111.0
5800	114.2
6000	116.3

Cable PN: X01-0207630R0A
Note: Customizable cable lengths and connectors. Feel free to consult the Aboosty Team.



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