

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 Φ 0.12mm)	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 \pm 3
速率	Capacitance	pF/m	80 \pm 3
电容	Velocity ratio Propagation	%	80
直流电阻	Resistance	Ω /km	
内导体	Inner Conductor		24.6
外导体	Outer Conductor		16.1
绝缘电阻	Insulation resistance	M Ω .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℃)(Allowable tolerance+15%)

频率 Frequency	衰减 Attenuation(dB/100m)	平均功率 Avg.Power(kW)
150	18.84	0.42
220	22.80	0.35
450	32.88	0.24
900	46.92	0.17
1500	61.08	0.13
1800	67.08	0.12
2000	70.92	0.11
2500	79.68	0.10

Cable PN: X01-0207630R0A

Note: Customizable cable lengths and connectors. Feel free to consult the Aboosty Team.

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