

型号 Cable Type : LA550

LA系列超低损耗稳幅稳相电缆

Ultra-low Loss Amplitude and Phase Stable Cable



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结构 Construction	材料 Materials	尺寸 O.D (mm)
1.中心导体 Center Conductor	镀银铜 Silvered Copper	1.60
2.绝缘层 Dielectric	低密度聚四氟乙烯 Low Density PTFE	4.30
3.内屏蔽层 Inner Shield	镀银铜带绕包 Silvered Copper Tape Wrapping	4.50
4.外屏蔽层 Outer Shield	镀银铜丝编织 Braided Silvered Copper Wire	5.10
5.护套 Jacket	灰色氟塑料 Grey PFA	5.60

电气性能 Electrical Specifications

阻抗 Cable Impedance	50 Ω
速率 Velocity	83%
屏蔽效率 Shielding Effectiveness	>90 dB
耐电压 Voltage Withstanding	2000 V DC
工作频率 Operating Frequency	DC-18 GHz
弯曲幅度稳定性 Amplitude Stability vs Flexure	<±0.1 dB
机械相位稳定性 Mechanical Phase Stability	<±5°

机械环境性能 Mechanical & Environmental Specifications

重量 Weight	75 g/m
弯曲半径, 静态 Bend Radius, static	28 mm
弯曲半径, 动态 Bend Radius, dynamic	56 mm
温度范围 Temperature Range	-55 ~ +165 °C

衰减典型值 Attenuation (Typical Value @ 25°C & Sea Level)

频率 Frequency (MHz)	功率 Power (W)	衰减 Attenuation (dB/m)
300	1874	0.12
1000	1024	0.22
3000	589	0.39
6000	415	0.55
8500	348	0.66
12400	287	0.80
18000	238	0.96