

型号 Cable Type : LA1000

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	3.00
2.绝缘层 Dielectric	低密度聚四氟乙烯 Low Density PTFE	8.24
3.内屏蔽层 Inner Shield	镀银铜带绕包 Silvered Copper Tape Wrapping	-
4.外屏蔽层 Outer Shield	镀银铜丝编织 Braided Silvered Copper Wire	9.20
5.护套 Jacket	灰色氟塑料 Grey PFA	10.00

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	3000 V DC
工作频率 Operating Frequency	DC-10 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	206 g/m
弯曲半径，静态 Bend Radius, static	50 mm
弯曲半径，动态 Bend Radius, dynamic	100 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	3838	0.06
1000	2289	0.10
3000	1281	0.19
6000	880	0.27
8500	720	0.33
10000	662	0.36