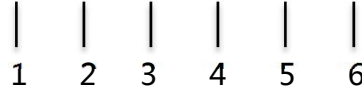


型号 Cable Type : LC400

LC系列高精密稳幅稳相测试电缆

Amplitude and Phase Stable Testing Cable



| 结构 Construction | 材料 Materials | 尺寸 O.D (mm) |
|-------------------------|--------------------------------------|-------------|
| 1.中心导体 Center Conductor | 镀银铜绞线 Stranded Silvered Copper Wire | 1.02 |
| 2.绝缘层 Dielectric | 低密度聚四氟乙烯 Low Density PTFE | 2.80 |
| 3.内屏蔽层 Inner Shield | 镀银铜带绕包 Silvered Copper Tape Wrapping | 2.95 |
| 4.中间层 Middle Layer | 低密度聚四氟乙烯 Low Density PTFE | 3.20 |
| 5.外屏蔽层 Outer Shield | 镀银铜丝编织 Braided Silvered Copper Wire | 3.62 |
| 6.护套 Jacket | 蓝色氟塑料 Blue FEP | 4.20 |

电气性能 Electrical Specifications

| | |
|--|-----------|
| 阻抗 Cable Impedance | 50 Ω |
| 速率 Velocity | 81% |
| 屏蔽效率 Shielding Effectiveness | >90 dB |
| 耐电压 Voltage Withstanding | 500 V DC |
| 工作频率 Operating Frequency | DC-40 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 | 40 g/m |
| 弯曲半径, 静态 Bend Radius, static | 21 mm |
| 弯曲半径, 动态 Bend Radius, dynamic | 42 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 | 1040 | 0.22 |
| 1000 | 567 | 0.39 |
| 3000 | 325 | 0.69 |
| 6000 | 228 | 0.98 |
| 8500 | 190 | 1.17 |
| 12400 | 157 | 1.43 |
| 18000 | 129 | 1.73 |
| 26500 | 105 | 2.12 |
| 33000 | 94 | 2.38 |
| 40000 | 85 | 2.64 |