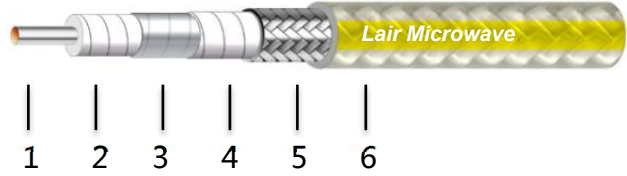


型号 Cable Type : LT450

LT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 Silvered Copper | 0.91 |
| 2.绝缘层 Dielectric | 低密度聚四氟乙烯 Low Density PTFE | 2.70 |
| 3.内屏蔽层 Inner Shield | 镀银铜带绕包 Silvered Copper Tape Wrapping | 2.85 |
| 4.中间层 Middle Layer | 低密度聚四氟乙烯 Low Density PTFE | 3.15 |
| 5.外屏蔽层 Outer Shield | 镀银铜丝编织 Braided Silvered Copper Wire | 3.60 |
| 6.护套 Jacket | 透明氟塑料 Transparent FEP | 4.95 |

电气性能 Electrical Specifications

| | |
|--|----------------|
| 阻抗 Cable Impedance | 50 Ω |
| 速率 Velocity | 76% |
| 屏蔽效率 Shielding Effectiveness | >90 dB |
| 耐电压 Voltage Withstanding | 500 V DC |
| 工作频率 Operating Frequency | DC-26.5 GHz |
| 弯曲幅度稳定性 Amplitude Stability vs Flexure | < \pm 0.1 dB |
| 机械相位稳定性 Mechanical Phase Stability | < \pm 3° |

机械环境性能 Mechanical & Environmental Specifications

| | |
|-------------------------------|---------------|
| 重量 Weight | 52 g/m |
| 弯曲半径, 静态 Bend Radius, static | 30 mm |
| 弯曲半径, 动态 Bend Radius, dynamic | 50 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 | 880 | 0.22 |
| 1000 | 505 | 0.39 |
| 3000 | 289 | 0.69 |
| 6000 | 203 | 0.98 |
| 8500 | 169 | 1.18 |
| 12400 | 139 | 1.43 |
| 18000 | 115 | 1.74 |
| 26500 | 94 | 2.13 |