



CA782

| 结构参数 Construction Specification | | |
|---------------------------------|----------------------|-----------------|
| | 材料 Material | 直径 Diameter(mm) |
| 1. 内导体 Inner Conductor | 铜包铝 solid BCCl | 2.74 |
| 2. 绝缘体 Dielectric | 发泡聚乙烯 Foam PE | 7.24 |
| 3. 外导体 Outer Conductor | 胶带铝箔 Aluminum Tape | 7.39 |
| 4. 屏蔽层 Overall Braid | 镀锡铜线编织 Tinned Copper | 8.13 |
| 5. 外护套 Jacket | 黑色聚乙烯 black PE | 10.29 |

| 机械和环境特性 Mechanical & Environmental Specifications | |
|---|---------|
| 最小弯曲半径, 安装 Bend Radius; installation (mm) | 25.4 |
| 最小弯曲半径, 重复 Bend Radius; repeated (mm) | 101.6 |
| 弯矩 Bending Moment (N-m) | 0.68 |
| 重量 Weight (kg/m) | 0.10 |
| 拉伸强度 Tensile Strength (kg) | 72.6 |
| 抗压 Flat Plate Crush (kg/mm) | 0.71 |
| 温度范围 Temperature Range (°C) | -40/+85 |

| 电性能参数 Electrical Characteristics | |
|----------------------------------|------|
| 阻抗 Impedance(Ohm) | 50 |
| 电容 Capacitance(pF/m) | 78.4 |
| 电感 Inductance (uH/m) | 0.20 |
| 速率 Velocity(%) | 85 |
| 屏蔽衰减 Shielding Effectiveness(dB) | >90 |
| 时延 Time Delay (nS/m) | 3.92 |
| 截止频率 Cutoff Frequency (GHz) | 16.2 |
| 耐压 Voltage Withstand (VDC) | 2500 |
| 护套耐压 Jacket Spark(VRMS) | 8000 |
| 峰值功率 Peak Power (kw) | 16 |
| 介电常数 Dielectric Constant (NA) | 1.38 |

| 衰减和平均功率 (20°C, 在海平面测试条件下) Attenuation & Average Power@20°C and Sea Level | | |
|--|-------------------------|------------------------|
| 频率 Frequency(MHz) | 衰减 Attenuation(dB/100m) | 平均功率 Average Power(kw) |
| 30 | 2.2 | 3.33 |
| 50 | 2.9 | 2.57 |
| 150 | 5.0 | 1.47 |
| 220 | 6.1 | 1.20 |
| 450 | 8.9 | 0.83 |
| 900 | 12.8 | 0.58 |
| 1500 | 16.8 | 0.44 |
| 1800 | 18.6 | 0.40 |
| 2000 | 19.6 | 0.37 |
| 2500 | 22.2 | 0.33 |
| 5800 | 35.5 | 0.21 |