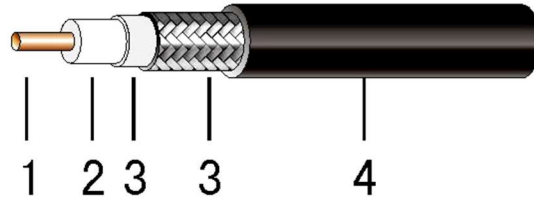


LMR100-PE

LMR-100 TYPE, 50 Ohm Braided Coaxial Cable, flooded, black PVC jacket



Construction 结构	Materials 材料	O.D (mm)尺寸
1. 内导体 Inner conductor	裸铜线 Bare Copper wire	0.46
2. 绝缘 Dielectric	聚乙烯 PE	1.55
3. 外导体 Outer conductor	铝箔+镀锡铜编织 AL tape + Tinned braid	2.06 Nom.
4. 护套 Jacket	黑色聚乙烯 Black PE	2.79

Electrical Specifications 电性能

阻抗 Cable impedance	50 ohm
电容 Capacitance	102 pF/m
速率 Velocity	66%
内导体直流电阻	105 ohms/km
DC Resistance, Inner Conductor	
外导体直流电阻	28.2ohms/km
DC Resistance, Outer Conductor	
直流测试电压 DC Test Voltage	500 V
火花电压 Jacket Spark Test Voltage	1500 Vrms
工作频段 Operating Frequency Band	DC – 3GHz
峰值功率 Peak Power	0.6 kW

Mechanical & Environmental Specifications 机械环境性能

弯曲半径 Bend radius	6.40 mm
重量 Weight	18 kg/km approx.
安装温度 Installation Temperature	-20 °C to +60 °C
工作温度 Operating Temperature	-40 °C to +80 °C
储存温度 Storage Temperature	-20 °C to +60 °C
弯曲力矩 Bending Moment	0.1 N-m
抗压力 Flat Plate Crush Strength	0.2 kg/mm
抗张强度 Tensile Strength	7 kg
环保 RoHS compliance	Compliant

Product Specifications

Attenuation Typical Value 衰减典型值

Frequency(MHz)	Attenuation(dB/100m)
@ 25°C & sea level	Typical
30	12.8
50	16.4
150	27.6
220	33.5
450	48.2
900	70.2
1500	93.5
1800	103.6
2000	110.2
2500	125.3
3000	139.4

Max. value is within 10% variance.