

型号 Cable Type : RG142

Flexible coaxial cable, 50ohm RG142 type

Applied standard: MIL-C-17



结构 Construction	材料 Materials	尺寸 O.D (mm)
1.内导体 Inner Conductor	镀银铜包钢 SCCS	0.93
2.绝缘层 Dielectric	聚四氟乙烯 PTFE	3.00
3.外导体 Outer Conductor	双层镀银铜编织 Double Silvered Copper Braid	3.95
4.护套 Jacket	聚全氟乙丙烯 FEP	4.95

电气性能 Electrical Specifications

阻抗 Cable Impedance	50 ohm
电容 Capacitance	96.45 pF/m
速率 Velocity	70%
耐电压 Voltage Withstanding	5000 Vrms
工作电压 Working Voltage	1400 Vrms
工作频率 Operating Frequency	12.4 GHz Max.

机械环境性能 Mechanical & Environmental Specifications

重量 Weight	63 g/m
弯曲半径 Bend Radius	25 mm
温度范围 Temperature Range	-55 ~ +200 °C
环保 RoHS Compliance	Compliant

衰减典型值 Attenuation (Typical Value @ 25°C & Sea Level)

频率 Frequency (MHz)	衰减 Attenuation (dB/m)
100	0.13
400	0.28
1000	0.45
3000	0.83
5000	1.15
6000	1.30