

型号 Cable Type : RG59

Flexible coaxial cable, 75ohm RG59 type

Applied standard: MIL-C-17



结构 Construction	材料 Materials	尺寸 O.D (mm)
1.内导体 Inner Conductor	裸铜线 Bare Copper	0.81
2.绝缘层 Dielectric	发泡聚乙烯 Foam PE	3.66
3.外导体 Outer Conductor	自粘铝箔+铝镁线编织 Adhesive Aluminum Foil + Braided Aluminum Wire	4.28
4.护套 Jacket	聚氯乙烯或聚乙烯 PVC or PE	6.10

电气性能 Electrical Specifications

阻抗 Cable Impedance	75 ohm
电容 Capacitance	52 pF/m
速率 Velocity	85%
工作电压 Working Voltage	3000 Vrms
屏蔽效率 Shielding Effectiveness	>70 dB
回波损耗 Return Loss (VHF / UHF)	>20 dB / >20 dB

机械环境性能 Mechanical & Environmental Specifications

重量 Weight	50 g/m
弯曲半径 Bend Radius	32 mm
温度范围 Temperature Range	-40 ~ +80 °C

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

频率 Frequency (MHz)	衰减 Attenuation (dB/m)
5	0.03
50	0.06
100	0.09
200	0.12
400	0.17
550	0.20
750	0.23
800	0.25
1000	0.27