

型号 Cable Type: LCC-NT034

.034" 低温半钢射频同轴电缆

.034" Cryogenic Coaxial Cable



结构 Construction	材料 Materials	尺寸 O.D (mm)
1.内导体 Inner Conductor	铌钛合金 NbTi	0.203±0.013
2.介质层 Dielectric	聚四氟乙烯 PTFE	0.66±0.0254
3.外导体 Outer Conductor	铌钛合金 NbTi	0.90±0.04

电气性能 Electrical Specifications

截止频率 Cutoff Frequency	154 GHz
特性阻抗 Impedance	50 ± 3Ω
热导率 Thermal Conductivity	4.63E-06 W.cm/K (at 4K)
电容 Capacitance	96.2 pF/m
灭晕电压 Corona Voltage	2500VRMS(@60Hz)

机械环境性能 Mechanical & Environmental Specifications

最小弯曲半径 Minimum Bend Radius	3.2 mm
标准长度 Standard Length	1000 mm
温度范围 Operating Temperature	~ mK-4K

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

频率 Frequency (MHz)	衰减 Attenuation dB/m@300K	衰减 Attenuation dB/m@4K
500	6.8	< 0.5
1000	9.6	< 0.5
5000	21.6	< 0.5
10000	30.5	< 0.5
20000	43.1	< 0.5