

1/4"
1/4" PE | HCAAY-50-6,黑色PE护套 Black PE Jacket
1/4" LSZH | HCAAYZ-50-6,黑色LSZH护套 Black LSZH Jacket


材料特性 Material Specification

内导体 Inner Conductor	铜包铝 Copper Clad Aluminum	2.60±0.05 mm
绝缘 Dielectric	发泡聚乙烯 Foam Polyethylene	6.50±0.15 mm
外导体 Outer Conductor	环形皱纹铜管 Annular Corrugated Copper Tube	7.70±0.20 mm
护套 Jacket	低烟无卤阻燃聚烯烃 LSZH	8.90±0.25 mm
	聚乙烯 PE	
护套皮厚 Jacket Thickness ,min	——	0.40 mm

电气特性 Electrical Specification

特性阻抗 Characteristic Impedance	50 Ω	
传输速率 Velocity of Propagation	86%	
电容 Capacitance	77.5 PF/m	
绝缘电阻 Insulation Resistance,min	5000 MΩ•km	
护套火花试验电压 Jacket Spark Test Voltage	3 KV	
RF峰值电压 RF Peak Voltage	0.83 KV	
峰值功率 Peak Power Rating	11.0 KW	
截止频率 Cut-off Frequency	18.6 GHz	
三阶交调 PIM (2*43dBm),Typ	-150 dBc (900MHz&1800MHz)	
电压驻波比VSWR max	700-960 MHz	1.15
	1700-2200 MHz	1.15
	2200-2700 MHz	1.18
	3300-3800 MHz	1.20

机械特性 Mechanical Specifications

单次弯曲半径 Single Bending Radius	45 mm
多次弯曲半径 Repeated Bending Radius	80 mm
弯曲次数 Bending Numbers	15

环境特性 Environmental Specifications

	PE	LSZH
贮存温度 Storage Temperature	-55°C~+85°C	-30°C~+80°C
安装温度 Installation Temperature	-40°C~+60°C	-20°C~+60°C
工作温度 Operating Temperature	-55°C~+85°C	-30°C~+80°C
RoHS 2011/65/EU	Compliant	

衰减和平均功率 Attenuation @ 20°C And Average Power Rating @ 40°C

Frequency, MHz	dB/100m	kw	Frequency, MHz	dB/100m	kw
100	4.11	1.87	1800	18.95	0.40
150	5.06	1.51	2000	20.06	0.37
200	5.86	1.30	2200	21.16	0.35
280	7.11	1.07	2400	22.35	0.34
450	8.96	0.85	2500	23.06	0.33
800	12.16	0.62	3000	25.26	0.30
900	12.88	0.58	3300	26.39	0.29
1000	13.66	0.55	3600	27.69	0.27
1500	17.06	0.44			

衰减为典型值，最大值应为典型值的108%。The attenuation is typical value, Maximum value shall be 108% of the typical value.