

1/2"

1/2" PE | HCAAY-50-12,Black PE Jacket

1/2" LSZH | HCAAYZ-50-12, Black LSZH Jacket



Material Specification

Inner Conductor	Copper Clad Aluminum	4.80±0.05 mm
Dielectric	Foam Polyethylene	12.30±0.30 mm
Outer Conductor	Annular Corrugated Copper Tube	13.85±0.20 mm
Jacket	LSZH	15.70±0.25 mm
	PE	
Jacket Thickness ,min	——	0.80 mm

Electrical Specification

Characteristic Impedance	50 Ω	
Velocity of Propagation	88%	
Capacitance	76.0 pF/m	
Insulation Resistance,min	10000 MΩ·km	
Jacket Spark Test Voltage	8 KV	
RF Peak Voltage	1.60 KV	
Peak Power Rating	40 KW	
Cut-off Frequency	8.8 GHz	
PIM (2*43dBm),Typ	-155 dBc (900MHz&1800MHz)	
VSWR max	700-960 MHz	1.15
	1700-2200 MHz	1.18
	2200-2700 MHz	1.18
	3300-3800 MHz	1.20

Mechanical Specifications

Single Bending Radius	80 mm
Repeated Bending Radius	125 mm
Bending Numbers	15

Environmental Specifications

	PE	LSZH
Storage Temperature	-55°C~+85°C	-30°C~+80°C
Installation Temperature	-40°C~+60°C	-20°C~+60°C
Operating Temperature	-55°C~+85°C	-30°C~+80°C
RoHS 2011/65/EU	Compliant	

Attenuation @ 20°C And Average Power Rating @ 40°C

Frequency, MHz	dB/100m	kw	Frequency, MHz	dB/100m	kw
100	2.27	3.94	1800	10.12	0.86
150	2.73	3.17	2000	10.73	0.81
200	3.17	2.75	2200	11.33	0.77
280	3.75	2.27	2400	11.95	0.75
450	4.81	1.80	2500	12.16	0.73
800	6.51	1.33	3000	13.50	0.65
900	6.93	1.25	3300	14.25	0.61
1000	7.35	1.18	3600	14.98	0.58
1500	9.18	0.95	3800	16.10	0.55

The attenuation is typical value, Maximum value shall be 108% of the typical value.