

3/8"

3/8" PE | HCAAY-50-8, Black PE Jacket

3/8" LSZH | HCAAYZ-50-8, Black LSZH Jacket



Material Specification

Inner Conductor	Copper Clad Aluminum	3.10±0.05 mm
Dielectric	Foam Polyethylene	8.35±0.15 mm
Outer Conductor	Annular Corrugated Copper Tube	9.50±0.20 mm
Jacket	LSZH	10.90±0.25 mm
	PE	
Jacket Thickness ,min	——	0.50 mm

Electrical Specification

Characteristic Impedance	50Ω	
Velocity of Propagation	88%	
Capacitance	76.0 pF/m	
Insulation Resistance,min	5000 MΩ•km	
Jacket Spark Test Voltage	5 KV	
RF Peak Voltage	1.05 KV	
Peak Power Rating	15.6 KW	
Cut-off Frequency	13.5 GHz	
PIM (2*43dBm),Typ	-155 dBc (900MHz&1800MHz)	
VSWR max	700-960 MHz	1.13
	1700-2200 MHz	1.15
	2200-2700 MHz	1.18
	3300-3800 MHz	1.20

Mechanical Specifications

Single Bending Radius	55 mm
Repeated Bending Radius	100 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	3.50	2.23	1800	16.09	0.48
150	4.30	1.81	2000	17.10	0.46
200	4.98	1.56	2200	17.98	0.43
280	6.09	1.27	2400	18.79	0.42
450	7.58	1.02	2500	19.38	0.41
800	10.28	0.75	3000	21.39	0.37
900	10.99	0.71	3300	22.55	0.35
1000	11.68	0.67	3600	23.69	0.33
1500	14.51	0.53	3800	25.16	0.32

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