

1/2" Flexible RF Coaxial Cable



jacket outer conductor insulation inner conductor

Type		Type No.
Standard cable		HCAAY-50-12
Fire-retardant cable		HCAAYZ-50-12
Construction		
Inner conductor	Material	CCA
	Diameter (mm)	4.80±0.05
Insulation	Material	Foamed PE
	Diameter (mm)	12.2±0.2
Outer conductor	Material	Annular corrugated copper tube
	Diameter (mm)	13.80±0.15
Jacket	Material	LLDPE or fire-retardant PE
	Min.thickness (mm)	>0.7
	Diameter (mm)	15.7±0.2
Mechanical Characteristics		
Bending radius (mm)	Single bend	50
	Repeated bend	125
Tensile strength (N)		1050
Cable weight (kg/km)		200
Recommended temperature (°C)	Storage	-70~+85
	Installation	-40~+60
	Operating	-55~+85

●Products meet the RoHS requirement, and according to the requirements of RoHS, you can see the RoHS mark on the outside package

Electrical Characteristics		
Inner conductor DC resistance (Ω/km)	1.62	
Outer conductor DC resistance (Ω/km)	3.10	
Characteristic impedance (Ω)	50	
Capacitance (p F/m)	76	
Velocity (%)	86	
Dielectric strength (KV)	6.0	
Insulation resistance (MΩ/km)	>1×10 ⁴	
Peak power rating (KV)	40	
Peak voltage (V)	1800	
Attenuation and Average power (Maximum attenuation value shall be 105% of the nominal attenuation value)		
Frequency (MHz)	Attenuation (@20°C, dB/100m)	Average power (kv)
200	3.11	2.45
450	4.75	1.59
800	6.46	1.17
900	6.86	1.10
1000	7.29	1.04
1500	9.68	0.96
1800	10.10	0.75
2000	10.72	0.71
2200	11.25	0.68
2500	12.13	0.63
3000	13.41	0.58
VSWR		
800MHz~1000MHz		1.10
1700MHz~2500MHz		1.15
2500MHz~3000MHz		1.15

Note:

For fire-retardant jacket cable, recommended temperature:

Storage: -30°C~+80°C

Installation: -25°C~+60°C