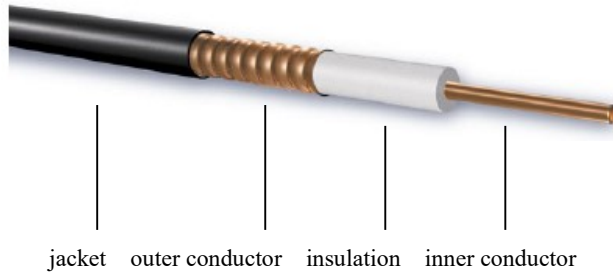


## 1/2" Flexible RF Coaxial Cable



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)	12.3±0.15
Outer conductor	Material	Annular corrugated copper tube
	Diameter (mm)	13.8±0.15
Jacket	Material	LLDPE
	Min.thickness (mm)	>0.9
	Diameter (mm)	15.7±0.2
<b>Mechanical Characteristics</b>		
Bending radius (mm)	Single bend	50
	Repeated bend	125
Tensile strength (N)		1050
Cable weight (kg/km)		215
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

Note:

For fire-retardant jacket cable, recommended temperature:

Storage: -30°C~+80°C

Installation: -25°C~+60°C

Operating temperature: -30°C~+80°C

Electrical Characteristics		
Inner conductor DC resistance (Ω/km)		1.62
Outer conductor DC resistance (Ω/km)		3.12
Characteristic impedance (Ω)		50±1.5
Capacitance (p F/m)		76
Velocity (%)		87
Dielectric strength (KV)		6.0
Insulation resistance (MΩ/km)		>1×10 <sup>4</sup>
Peak power rating (KV)		40
Peak voltage (V)		1800
Cut-off Frequency(GHZ)		10.0
Attenuation and Average power (Maximum attenuation value shall be 105% of the nominal attenuation value)		
Frequency (MHz)	Attenuation (@20°C, d B/100m)	Attenuation (@20°C, d B/100ft)
450	4.98	1.52
690	6.27	1.91
800	6.67	2.06
900	7.08	2.20
1000	7.52	2.30
1800	10.35	3.23
2000	10.89	3.42
2200	11.48	3.6
2400	12.28	3.76
2500	12.37	3.86
2600	12.80	3.94
2700	13.24	4.00
3000	14.07	4.29
<b>VSWR</b>		
800MHz~1000MHz		1.15
1700MHz~2500MHz		1.15
2500MHz~3000MHz		1.15