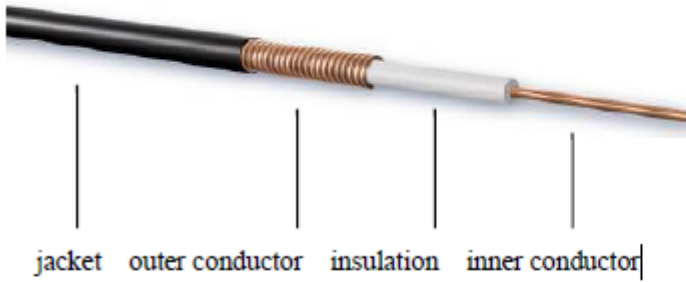


Hangzhou Sanyuan Cable Co.,Ltd

3/8" Super Flexible RF Coaxial Cable



Type		Type No.
Standard cable		HCAHY-50-7
Fire-retardant cable		HCAHYZ-50-7
Construction		
Inner conductor	Material	CCA
	Diameter (mm)	2.60±0.05
Insulation	Material	Foamed PE
	Diameter (mm)	7.0±0.2
Outer conductor	Material	Helical corrugated copper tube
	Diameter (mm)	9.0±0.15
Jacket	Material	LLDPE or fire-retardant PE
	Min. thickness (mm)	>0.4
	Diameter (mm)	10.4±0.2
Mechanical Characteristics		
Bending radius (mm)	Single bend	15
	Repeated bend	50
Tensile strength (N)		900
Cable weight (kg/km)		110
Recommended temperature (°C)	Storage	-70~+85
	Installation	-40~+60
	Operating	-55~+85

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)		5.30
Outer conductor DC resistance (Ω/km)		4.50
Characteristic impedance (Ω)		50±2
Capacitance (pF/m)		82
Velocity (%)		82
Dielectric strength (KV)		2.5
Insulation resistance (MΩ/km)		>1×10 ⁴
Peak power rating (KV)		13.4
Peak voltage (V)		1200
Cut-off frequency (GHz)		17.0
Attenuation and Average power (Maximum attenuation value shall be 105% of the nominal attenuation value)		
Frequency (MHz)	Attenuation (@20°C, dB/100m)	Average power (kw)
200	5.96	1.34
450	9.18	0.87
800	12.51	0.64
900	13.30	0.60
1000	14.21	0.57
1500	18.03	0.46
1800	19.50	0.41
2000	20.71	0.39
2200	21.82	0.37
2500	23.53	0.34
3000	25.82	0.31
VSWR		
800MHz~1000MHz		1.13
1700MHz~2500MHz		1.15
2500MHz~3000MHz		1.15

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