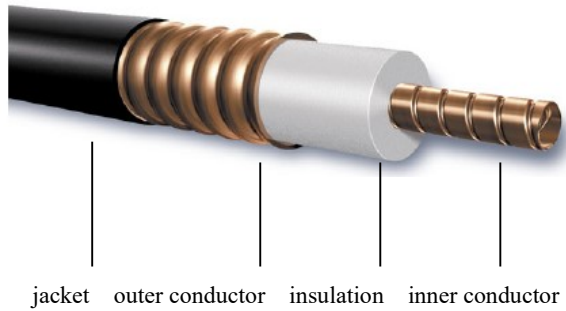


### 1-5/8" Flexible RF Coaxial Cable



Type		Type No.
Standard cable		HHTAY-50-42
Fire-retardant cable		HHTAYZ-50-42
Construction		
Inner conductor	Material	Helical corrugated copper tube
	Diameter (mm)	17.3±0.15
Insulation	Material	Foamed PE
	Diameter (mm)	42.7±0.30
Outer conductor	Material	Annular corrugated copper tube
	Diameter (mm)	46.5±0.30
Jacket	Material	LLDPE or fire-retardant PE
	Min.thickness (mm)	> 1.3
	Diameter (mm)	49.6±0.30
Mechanical Characteristics		
Bending radius (mm)	Single bend	280
	Repeated bend	500
Tensile strength (N)		3000
Cable weight (kg/km)		1050
Recommended temperature (°C)	Storage	-70~+85
	Installation	-40~+60
	Operating	-55~+85

●Product meets the RoHS requirement,

### Electrical Characteristics

Inner conductor DC resistance (Ω/km)	1.54	
Outer conductor DC resistance (Ω/km)	0.58	
Characteristic impedance (Ω)	50±1.5	
Capacitance (p F/m)	76	
Velocity (%)	87	
Dielectric strength (KV)	15.0	
Insulation resistance (MΩ/km)	$> 1 \times 10^4$	
Peak power rating (KV)	310	
Peak voltage (V)	5600	
Cut-off frequency (GHz)	3.0	
Attenuation and Average power (Maximum attenuation value shall be 105% of the nominal attenuation value)		
Frequency (MHz)	Attenuation (@20°C, d B/100m)	Average power (kv)
200	0.99	11.30
450	1.66	7.18
800	2.19	5.15
900	2.39	4.97
1000	2.55	4.52
1500	3.34	3.54
1800	3.62	3.17
2000	3.85	2.96
2200	4.22	2.87
2500	4.43	2.58
2700	4.85	2.40
VSWR		
800MHz~1000MHz		1.15
1700MHz~2500MHz		1.20
2500MHz~2700MHz		1.20

Note:

For fire-retardant jacket cable, recommended temperature:

Storage: -30°C~+80°C

Installation: -25°C~+60°C

Operating temperature: -30°C~+80°C