



1/2" Super Flex Cable Part No. HCAHY-50-9

- Low Attenuation
- Low VSWR
- High Expansion
- High Power Rating
- Excellent Performance

CONSTRUCTION		
Item	Material	Diameter
Inner Conductor	Copper Clad Aluminum	3.60±0.10 mm
Insulation	3 layer of Insulation	9.70 ±0.30 mm
Outer Conductor	Corrugated Copper-tube	11.95 ±0.25 mm
Jacket	Black PE	13.40 ±0.20 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	10.2 GHz	
Impedence (Ω)	50Ω	
Capacitance	83 p F/m	
Inner Conductor	2.97 Ω/km	
Outer Conductor	5.45 Ω/km	
PIM	< -160 dBc	
Nominal Inductance	0.19 μ H/m	
Velocity of Propagation (%)	81 %	
Shielding Effectiveness	>120	
Mechanical & Environmental Specification		
Minimum Bending Radius	25 mm	
Min. Bending Radius (repeated)	30 mm	
Standard Jacket Temperature	-40to +70°C	
Fire Retardant Jacket Temperature	-25 to +70°C	
Weight (kg/km)	155 / 170	

Frequency (MHz)	Attenuation & Average Power	
	dB/100 m	kw
150	4.21	2.51
450	7.55	1.41
800	10.30	1.00
900	11.09	0.96
1800	16.50	0.62
2000	17.50	0.60
2500	20.00	0.53
3000	22.20	0.47

VSWR	
800 ~ 1000 MHz	1.10
1700 ~ 2200 MHz	1.13
2500 ~ 2700 MHz	1.15