

**CABLE 1/2" FOAM DIELECTRIC COAXIAL**



**Modelo HCAAY-50-12**

**Dimensiones:**

Item	Diameter	Material
Inner Conductor	4.8 mm	Copper clad aluminum wire
Insulator	12.3 mm	Foamed polyethylene
Outer Conductor	13.9 mm	Annular corrugated copper tube
Jacket	16.0 mm	Polyethylene

**Características Mecánicas:**

Item	Specification	Remarks
Static Minimum Bending Radius	70 mm	Single bend
Dynamic Minimum Bending Radius	120 mm	Repeat for 15 times
Tensile Strength	1200 N	
Cable Weight	250kg/km	

**Características Eléctricas:**

Item	Specification	Remarks
Characteristic Impedance	50±1Ω	
Velocity	88%	Nominal value
Minimum Insulation Resistance	5000MΩ.km	DC 500V 1 minute
Capacitance	76pF/m	Nominal value
Dielectric Strength	DC4000V	1 minute
Inner Conductor DC Resistance	1.6Ω/km	At 20°C
Outer Conductor DC Resistance	1.9Ω/km	At 20°C
Peak Power Rating	40kW	
RF Peak Voltage	1800V	
VSWR Typical Value	1.15	10M-3000MHz
	1.08	800M-1000MHz
	1.08	1700M-2000MHz

**Attenuation & Average Power Rating (dB/100m, KW):**

Frequency MHz	Attenuation	Average Power	Frequency MHz	Attenuation dB	Average Power
10	0.65	13.0	1800	9.96	0.857
100	2.12	3.94	1900	10.27	0.828
150	2.61	3.20	2000	10.57	0.809
200	3.04	2.75	2100	10.87	0.784
300	3.76	2.23	2200	11.16	0.767
450	4.66	1.80	2400	11.72	0.730
500	4.93	1.71	2500	12.00	0.713
700	5.91	1.45	2700	12.55	0.684
800	6.35	1.33	3000	13.33	0.645
900	6.78	1.25	4000	15.75	0.543
1000	7.18	1.18	5000	18.00	0.476
1500	8.99	0.947	6000	20.06	0.426