



DEVIKRUPA ELECTRONICS

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RF Cable 3/8" (HCAAY - 50 - 8)

Construction

Item	Diameter	Material
Inner Conductor	03.1 mm	Copper Clad aluminium wire or copper wire
Insulation	08.0 mm	Formed Polyethylene
Outer Conductor	09.6 mm	Angular corrugated copper tube
Jacket	11.0 mm	Polyethylene



Mechanical characteristics

Item	Specefication	Remarks
Static minimum bonding radius	40 mm	Single band
Dynamic minimum bonding radius	100 mm	Repeated 15 times
Tensile strength	800 N	
Cable weight	120 kg / km	

Electrical characteristics

Item	Specefication	Remarks
Characteristic impedance	50 ± 1 Ω	
Velocity	88%	Nominal value
Minimum Insulation resistance	3000MΩ, km	DC 500V 1 minute
Capasistanse	76pF/m	Nominal value
Dialestric strength	DC2600V	1 minute
Peek Power rating	15.6 KW	
RF peak voltage	1050 V	
VSWR typical value	1.15	10M - 3000 MHz
	1.08	800M- 1000 MHz
	1.08	1700M-2000 MHz
	1.08	2100M-2400 MHz

Attenuation & Average Power Rating

Frequency (MHz)	Allenuation (68/100m)	Average (kw)	Frequency (MHz)	Allenuation (68/100m)	Average (kw)
10	1.04	7	1800	15.20	0.48
100	3.38	2.10	1900	15.60	0.44
150	4.16	1.70	2000	16.10	0.43
200	4.48	1.50	2100	16.50	0.42
300	9.92	0.20	2200	16.70	0.39
450	7.42	1.00	2400	17.70	0.39
500	7.84	0.90	2500	18.10	0.37
700	9.40	0.76	2700	18.90	0.37
800	10.10	0.70	3000	21.10	0.34
900	10.80	0.66	4000	23.40	0.30
1000	11.10	0.63	5000	26.50	0.26
1500	13.80	0.61	6000	29.30	0.24
1700	14.70	0.47	8000	34.50	0.20