



DEVIKRUPA ELECTRONICS

1st Floor, Raj Avenue, 17, Maninagar Society, Opp. Gopal Tower,
Maninagar, AHMEDABAD - 380 008. GUJARAT, INDIA.
Phone : +91 79 2545 0400 **Fax** : +91 79 2546 9555
Email : sales@devikrupa.com **Web** : www.devikrupa.com



RF Cable 7/8" S (HHTAY - 50 - 21)

Construction

Item	Diameter	Material
Inner Conductor	09.4 mm	Copper Clad aluminium wire or copper wire
Insulation	21.7 mm	Formed Polyethylene
Outer Conductor	24.9 mm	Angular corrugated copper tube
Jacket	27.5 mm	Polyethylene



Mechanical characteristics

Item	Specefication	Remarks
Static minimum bonding radius	80 mm	Single band
Dynamic minimum bonding radius	125 mm	Repeated 15 times
Tensil strength	2000 N	
Cable weight	550 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	DC6000V	1 minute
Peek Power rating	90 KW	
RF peak voltage	3100 V	
VSWR typical value	1.10	820M - 960 MHz
	1.10	1700M-1900 MHz
	1.15	1900M-2500 MHz

Attenuation & Average Power Rating

Frequency (MHz)	Allenuation (68/100m)	Average (kw)	Frequency (MHz)	Allenuation (68/100m)	Average (kw)
10	0.40	21.5	1400	5.36	1.61
100	1.30	6.62	1500	5.81	1.59
200	1.87	4.61	1700	6.02	1.44
300	2.31	3.72	1800	6.20	1.39
400	2.72	3.20	1900	6.37	1.35
500	3.05	2.83	2000	6.58	1.31
600	3.37	2.55	2100	6.75	1.27
700	3.65	2.36	2200	6.97	1.24
800	3.94	2.19	2400	7.28	1.20
900	4.20	2.06	2600	7.67	1.14
1000	4.45	1.95	2900	8.03	1.09
1200	4.85	1.90	3000	8.36	1.04