



RF Cable 1/2" S (HRCAY - 50 - 9)

Construction

Item	Diameter	Material
Inner Conductor	03.6 mm	Copper clad aluminium wire
Insulator	09.0 mm	Fanned polyethylen
Outer conductor	12.1 mm	Helical corrupaned copper tube
Jacket	13.5 mm	Polyethylene



Mechanical characteristics

Item	Specefication	Remarks
Static minimum banding radius	30 mm	Single band
Dynamic minimum banding radius	40 mm	Repaired 15 times
Tensil strength	100 N	
Cable weight	190 kg / km	

Electrical characteristics

Item	Specefication	Remarks
Characteristic impedance	50 ± 1 Ω	
Velocity	81%	Nominal value
Minimum Insulation resistance	3000MΩ.km	DC 500V 1 minute
Capasistance	80pF/m	Nominal value
Dialestic strength	DC2500V	1 minute
Peek Power rating	15.6 kw	
MF peak voltage	1400V	
RF peak voltage	1.10	820M-9000 MHz
VSWR typical value	1.15	1900M-2500 MHz

Atenuation & Average Power Rating

Frequency (MHz)	Allenuation (68/100m)	Average (kw)	Frequency (MHz)	Allenuation (68/100m)	Average (kw)
10	1.09	10.0	1400	14.17	0.76
100	3.53	2.97	1600	15.19	0.71
200	5.04	2.42	1700	15.72	0.68
300	6.21	1.31	1800	16.22	0.66
400	7.26	1.12	1900	16.75	0.63
500	8.16	1.29	2000	17.29	0.61
600	8.96	1.18	2100	17.70	0.60
700	9.74	1.09	2200	18.15	0.58
800	10.44	1.01	2400	19.10	0.55
900	11.12	0.96	2600	20.06	0.62
1000	11.84	0.09	2800	21.13	0.60
1200	13.02	0.03	3000	22.08	0.49