



## RF Cable 1/4" S (HRV - 50 - 5)

### Construction

Item	Diameter	Material
Inner Conductor	01.9 mm	Copper wire
Insulator	05.0 mm	Formed Polyethylene
Outer Conductor	06.4 mm	Helical corrugated copper tube
Jacket	08.0 mm	Polyethylene



### Mechanical characteristics

Item	Specefication	Remarks
Static minimum bonding radius	12.6 mm	Single band
Dynamic minimum bonding radius	25 mm	Repeated 15 times
Tensile strength	400 N	
Cable weight	70 kg / km	

### Electrical characteristics

Item	Specefication	Remarks
Characteristic impedance	50 ± 1 Ω	
Velocity	82%	Nominal value
Minimum Insulation resistance	3000MΩ, km	DC 500V 1 minute
Capasistanse	80pF/m	Nominal value
Dialestric strength	DC2500V	1 minute
Peek Power rating	6.4 KW	
RF peak voltage	800V	
VSWR typical value	1.15	100M- 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	1.71	2.8	1800	26.35	0.186
100	5.58	0.86	1900	27.16	0.818
150	6.89	0.70	2000	27.97	0.176
200	8.01	0.80	2100	28.75	0.171
300	9.92	0.49	2200	29.53	0.167
450	12.31	0.39	2400	31.06	0.154
500	13.03	0.37	2500	31.77	0.161
700	16.61	0.31	2700	33.21	0.149
800	16.80	0.290	3000	35.30	0.140
900	17.82	0.272	4000	41.86	0.116
1000	18.98	0.257	5000	47.83	0.100
1500	23.78	0.205	6000	53.42	0.090
1700	25.51	0.192	8000	63.78	0.075