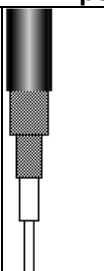


## Coaxial cables selection guide

TYPE		RG 178	RG 196	RG 316	RG 316 2SC	RG 188	RG 142	RG 400	RG 115	
Impedance $\Omega$		50	50	50	50	50	50	50	50	
$\emptyset$		Jacket	1.8	2	2.50	3	2.70	4.95	4.95	10.4 fiberg+PTFE
	Screen 1	1.33	1.35	2	2,5	2	4.25	4.2	7.8	
	Screen 2	--	--	--	2	--	3.6	3.6	7.2	
	Dielectric	0,83	0,853	1,55	1,55	1,55	2.95	2.95	6.5	
	int. $\emptyset$ wire	0.31	0.31	0,54	0,54	0,54	0.95	1	2.2	
		7x0.1	7x0.1	7x0.17	7x0.17	7x0.17	1	19x0.2	7x0.73	
		<b>dB / 100m</b>								
a t t e n u a t i o n	1 MHz	8	8	3	3	3	1.2			
	10 MHz	14	14	8	8	8	4	4	2	
	30 MHz	26	26	14	14	14	7.5			
	50 MHz	33	33	18	18	18	9	9	5.2	
	100 MHz	47	47	25	26	25	13	13	7.7	
	150 MHz	58	58	31	32	31	16	16	9.7	
	450 MHz	104	104	57	58	57	29	30	19.7	
	900 MHz	152	152	83	85	83	43	45	29.8	
	1300 MHz	195	195	105	103	105	60	66	38.9	
	1900 MHz			126	130		67	71	51.6	
	2400 MHz			144	149		77	83	59	
	5 GHz				236		121	133	114	
	10 GHz						230		190	
	15 GHz									
18 GHz										
26 GHz										
33 GHz										
		<b>Watts</b>								
p o w e r	10 MHz	600	1000	1350	1500	1800	4000	3700	14000	
	30 MHz	330	600	750	850		2200	2000		
	50 MHz	260	480	604	666	800	1800	1650	7000	
	100 MHz	187	340	427	470	570	1300	1150	5000	
	150 MHz	152	280	349	385	465	1000	950	3800	
	450 MHz	88	160	201	222	268	600	550	2200	
	900 MHz	62	114	142	157	190	430	390	1500	
	1300 MHz	50	97	116	130		350	300	1200	
	1900 MHz				108		300	265	900	
	2400 MHz				96		260	236	800	
	5 GHz				67		180	163	580	
	10 GHz						100		300	
	15 GHz									
	18 GHz									
26.5 GHz										
33 GHz										
<b>Cut-off frequency (GHz)</b>										
<b>Max operating voltage (KVdc)</b>		1	1	1	1	1	2.5	1.7	5	
<b>Signal velocity propagation (%)</b>									70	
<b>Delay (ns/m)</b>						4.86				
<b>Capacity (pF/m)</b>				97		97				
<b>Weight (g / m)</b>		8.4	9.2	16	24	17	64	64	258	
<b>Max. temperature range (°C)</b>		-55 -65 / +150 +165							-55 / +200	