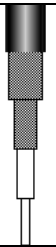


## Coaxial cables selection guide

TYPE		Semirigid				Handy-form			
		UT 034	UT 047	UT 086 RG 405	UT 141 RG 402	SM 86	SM 86 LSFH	SM 141	SM 250
Impedance ( $\Omega$ )		50	50	50	50	50	50	50	50
$\emptyset$	 Jacket (mm)	--	--	--	--	--	3.2	--	--
	Screen 1 (mm)	0.86	1.19	2.2	3.58	2.1	2.1	3.53	6.3
	Screen 2 (mm)	--	--	--	--	--	--	--	--
	Dielectric (mm)	0.66	0.94	1.68	3	1.65	1.65	2.95	5.24
	Wire (mm)	0.2	0.29	0.51	0.92	0.53	0.53	0.95	1.67
a t t e n u a t i o n		dB/100m				dB/100m			
	10 MHz		10	6	3	6		4	2
	50 MHz		23	13	7	14		8	5
	100 MHz		33	19	11	20		12	7
	150 MHz		41	23	13	25		14	9
	450 MHz	96	72	41	24	44		26	15
	900 MHz	135	102	59	34	63		37	23
	1300 MHz		121	71	41	75		45	27
	1900 MHz		151	88	52	94		57	35
	2400 MHz		171	100	60	107		65	40
	5 GHz	330	252	151	93	160		99	62
	10 GHz	474	369	225	143	239		152	97
	15 GHz		462	286	186	303		197	128
18 GHz		513	319	209	339		223	145	
20 GHz	687	545	341	225					
26.5 GHz		641	406	273	429		289	--	
p o w e r		Watts				Watts			
	10 MHz		320	1300	4500	1600		4200	9200
	50 MHz		143	581	2000	720		1900	4000
	100 MHz		101	411	1400	512		1300	2900
	150 MHz		83	336	1160	418		1100	2370
	450 MHz	37	48	194	671	241		634	1370
	900 MHz	27	34	137	474	171		448	970
	1300 MHz		29	118	405	145		390	860
	1900 MHz		23	94	326	118		308	667
	2400 MHz		21	84	290	105		274	594
	5 GHz	11	14	58	201	72		190	411
	10 GHz	7.7	10	41	142	51		134	290
	15 GHz		8.5	34	116	42		110	238
18 GHz		8	31	106	38		100	217	
20 GHz	5.4	7	29	101					
26.5 GHz		6	25	87	31		83		
Cut-off frequency (GHz)	155	100	60	33					
Max operating voltage (KVdc)	0.7	1	1.5	1.9	1.5		1.9	3k5	
Signal velocity propagation (%)	69.5	69.5	69.5	69.5	71		71	71	
Delay (ns/m)		4.8	4.8	4.8	4.7		4.7	4.7	
Capacity (pF/m)	95	105	105	98	95		92	95	
Weight (g / m)	3.1	6	24	52	15		38	125	
Max. temperature range ( $^{\circ}$ C)		-20 / +100	-20 / +125		-65 / +165				