

Coaxial Cable Types

Characteristics of all known coax cables with "RG" type numbers.

Originally compiled by A. "Kirk" Kirkwood W7GCI, 10/30/91

Cable Type	Imped (Ohms)	Max Oper Volts	O.D. Inches	Remarks
RG-5B/U	50	3,000	.328	For replacement only, use RG-212/U
RG-6A/U	75	2,700	.332	None
RG-8A/U	52	5,000	.405	For replacement only, use RG-213/U
RG-9B/U	50	5,000	.420	For replacement only, use RG-214/U
RG-10A/U	52	5,000	.475	For replacement only, use RG-215/U
RG-11A/U	75	5,000	.405	None
RG-12A/U	75	5,000	.475	None
RG-13A/U	74	5,000	.420	For replacement only, use RG-216/U
RG-14A/U	52	7,000	.545	For replacement only, use RG-217/U
RG-15/U	76	5,000	.545	None
RG-16/U	52	6,000	.630	None
RG-18A/U	52	11,000	.945	For replacement only, use RG-219/U
RG-19A/U	52	14,000	1.120	For replacement only, use RG-220/U
RG-20A/U	52	14,000	1.195	For replacement only, use RG-221/U
RG-21A/U	53	2,700	.332	For replacement only, use RG-222/U
RG-22B/U	95	1,000	.420	Balanced cable twisted conductors
RG-23A/U	125	3,000	.945	Dual coaxial cable
RG-24A/U	125	3,000	1.034	Dual coaxial cable
RG-25A/U	48	8,000	.505	Pulse cable
RG-26A/U	48	8,000	.650	Pulse cable
RG-27A/U	48	15,000	.650	High voltage pulse cable
RG-28B/U	48	15,000	.750	High voltage pulse cable
RG-33/U	51	6,000	.470	None
RG-34B/U	75	6,500	.630	None
RG-35B/U	75	10,000	.945	None
RG-36/U	69	13,000	1.180	None
RG-41/U	67.5	3,000	.425	None
RG-54A/U	58	3,000	.250	None
RG-55B/U	53	1,900	.206	None
RG-56/U	--	--	.535	Special twisted pulse cable
RG-57A/U	95	3,000	.625	Twin conductor
RG-58C/U	50	1,900	.195	General purpose
RG-59B/U	75	2,300	.242	General purpose
RG-60/U	50	--	.425	None
RG-62A/U	93	--	.249	None
RG-62B/U	93	750	.242	None
RG-63B/U	125	1,000	.405	Low capacitance
RG-64/U	48	--	.495	Pulse
RG-65A/U	950	1,000	.405	High impedance delay line, video cable
RG-71B/U	93	750	.250	None
RG-72/U	150	--	.630	None
RG-73/U	25	--	.275	None
RG-74A/U	52	7,000	.615	For replacement only, use RG-224/U
RG-77A/U	48	8,000	.450	Pulse cable
RG-78A/U	48	8,000	.420	Same as RG-74A/U except single braid
RG-79B/U	125	1,000	.475	RG-63B/U with armor
RG-81/U	50	3,000	.375	Semi-Rigid high temperature cable
RG-82/U	50	5,000	.750	Same as RG-81/U
RG-83/U	35	2,000	.405	None
RG-84A/U	75	10,000	1.000	RG-35B/U with lead sheath, not armor
RG-85A/U	75	10,000	1.565	RG-84A/U with special armor
RG-86/U	200	--	.650	Twin lead
RG-87A/U	50	5,000	.425	For replacement only. New, use RG-225/U
RG-88/U	50	8,000	.515	Pulse
RG-88A/U	50	8,000	.515	None
RG-88B/U	50	10,000	.565	None
RG-89/U	125	1,000	.632	Low capacitance
RG-90/U	50	3,000	.425	Carrier Frequency Communication
RG-93/U	50	10,000	.710	Replaced with RG-117/U

RG-94/U	50	7,000	.445	For replacement only. New, use RG-226/U
RG-100/U	35	2,000	.242	None
RG-108A/U	78	1,000	.235	Shielded twisted pair
RG-111A/U	95	1,000	.490	none
RG-114A/U	185	1,000	.405	Special low capacitance
RG-115/U	50	4,000	.375	None
RG-115A/U	50	4,000	.415	None
RG-116/U	50	5,000	.475	For replacement only. New, use RG-227/U
RG-117A/U	50	7,000	.730	Same as RG-117/U. New, use RG-211A/U
RG-118A/U	50	7,000	.780	Same as RG-118/U. New, use RG-228A/U
RG-119/U	50	6,000	.465	High temperature cable
RG-120/U	50	6,000	.525	Same as RG-119/U, with armor
RG-122/U	50	1,900	.160	Same as RG-58/U except smaller in size
RG-124/U	73	2,300	.240	Replaced by RG-140/U
RG-125/U	150	2,000	.600	Special low capacitance
RG-126/U	50	3,000	.280	High attenuation same as RG-301/U
RG-130/U	95	8,000	.625	Same as RG-57A/U except inner conductor
RG-131/U	95	8,000	.710	Same as RG-130/U except for armor
RG-133A/U	95	4,000	.405	NATO type NWR7
RG-140/U	75	2,000	.233	High temperature, similar to RG-59A/U
RG-141A/U	50	1,900	.190	High temperature, similar to RG-58C/U
RG-142A/U	50	1,900	.206	High temperature, similar to RG-55A/U
RG-142B/U	50	--	.195	Same as above
RG-143A/U	50	3,000	.325	High temperature, similar to RG-58/U
RG-144/U	75	5,000	.410	High temperature, similar to RG-11/U
RG-147/U	52	14,000	1.937	RG-19/U with armor
RG-148/U	72	4,000	.800	RG-8/U with spiral armor
RG-149/U	52	5,000	.405	Low noise
RG-150/U	75	5,000	.475	Same as RG-149/U except armored
RG-156/U	50	10,000	.540	Taped innerlayers 1 type K&l type A-1R
RG-157/U	50	15,000	.725	Betw 2n braid of outer conductor & braided
RG-158/U	25	15,000	.725	Tinned copper shield pulse cable
RG-159/U	50	2,300	.195	Replaced by RG-142/U
RG-160A/U	125	3,000	1.055	Same as RG-160/U except copper braid
RG-164/U	75	10,000	.870	Same as RG-35B/U except armored
RG-165/U	50	5,000	.410	None
RG-166/U	50	5,000	.460	Same as RG-165/U except armored
RG-174/U	50	1,500	.100	None
RG-177/U	50	11,000	.895	None
RG-178B/U	50	1,000	.075	None
RG-179B/U	75	1,200	.105	None
RG-180B/U	95	1,500	.145	none
RG-181/U	125	3,500	.640	None
RG-182/U	125	2,300	1.055	Special dual twinax
RG-183/U	50	--	.750	None
RG-185/U	2000	--	.282	Delay cable
RG-186/U	1000	--	.405	Delay cable
RG-187A/U	75	1,200	.110	Same as RG-187/U except inner conductor
RG-188A/U	50	1,200	.110	Same as RG-188/U except inner conductor
RG-189/U	50	3,500	.875	7/8 in stroflux cable
RG-190/U	50	15,000	.700	Taped inner layers: 2 wraps of type K
RG-191/U	25	15,000	1.469	& 2 wraps of type L between outer braid
RG-192/U	12.5	15,000	2.200	Pulse cable
RG-193/U	12.5	30,000	2.100	Pulse cable
RG-194/U	12.5	30,000	1.945	Pulse cable
RG-195A/U	95	1,500	.155	Same as RG-195/U except inner conductor
RG-196A/U	50	1,000	.080	Same as RG-196/U except inner conductor
RG-197/U	50	--	.875	None
RG-199/U	70	--	1.015	None
RG-200/U	70	--	1.765	None
RG-209/U	50	3,200	.750	None
RG-210/U	93	750	.242	Replaces RG-62C/U
RG-211A/U	50	7,000	.730	Same as RG-211/U except braid wire size
RG-212/U	50	3,000	.332	Formerly RG-58/U
RG-213/U	50	5,000	.405	Formerly RG-8A/U
RG-214/U	50	5,000	.425	Formerly RG-9B/U
RG-215/U	50	5,000	.475	Formerly RG-10A/U

RG-216/U	75	5,000	.425	Formerly RG-13A/U
RG-217/U	50	7,000	.545	Formerly RG-144A/U
RG-218/U	50	11,000	.870	Formerly RG-17A/U
RG-219/U	50	11,000	.945	Formerly RG-18A/U
RG-220/U	50	14,000	1.120	Formerly RG-19A/U
RG-221/U	50	14,000	1.195	Formerly RG-20A/U
RG-222/U	50	2,700	.332	Formerly RG-21A/U
RG-223/U	50	1,900	.216	Formerly RG-55A/U
RG-224/U	50	7,000	.615	Formerly RG-74A/U
RG-225/U	50	5,000	.430	Formerly RG-87A/U
RG-226/U	50	7,000	.500	Formerly RG-94A/U
RG-227/U	50	5,000	.490	Formerly RG-116/U
RG-228A/U	50	7,000	.795	Same as RG-228/U except wire size
RG-230/U	25	--	.740	Triaxial pulse cable
RG-231/U	50	--	.500	None
RG-232/U	50	--	1.050	None
RG-233/U	50	--	1.765	None
RG-234/U	50	--	3.295	None
RG-235/U	50	5,000	.470	None
RG-236/U	50	--	.500	None
RG-237/U	50	--	.600	None
RG-240/U	50	--	1.625	None
RG-242/U	50	--	3.125	None
RG-244/U	75	--	.500	None
RG-245/U	75	--	.600	None
RG-246/U	75	--	.875	None
RG-247/U	75	--	1.015	None
RG-248/U	75	--	1.625	None
RG-249/U	75	--	1.765	None
RG-259/U	75	--	3.125	None
RG-251/U	75	--	3.295	None
RG-252/U	50	--	.530	None
RG-253/U	50	--	.635	None
RG-254/U	50	--	1.100	None
RG-255/U	50	--	.953	None
RG-256/U	50	--	.953	None
RG-257/U	50	--	1.786	None
RG-258/U	50	--	1.936	None
RG-259/U	50	--	.390	None
RG-263/U	50	--	.500	None
RG-264A/U	36.8	--	.750	Same as RG-264/U except low temperature
RG-266/U	1530	4,000	.400	Delay cable
RG-268/U	50	--	.500	None
RG-269/U	50	--	1.005	None
RG-270/U	50	--	1.830	None
RG-279/U	75	--	.125	None
RG-280/U	50	3,000	.467	For low loss and low voltage application
RG-281/U	50	4,000	.750	For low loss and low voltage application
RG-282/U	54.6	4,500	.200	For 150 degree [C] operation
RG-283/U	46	8,000	.475	For 150 degree [C] operation
RG-284/U	75	--	1.005	None
RG-285/U	100	--	1.005	None
RG-286/U	75	--	1.830	None
RG-287/U	100	--	1.830	None
RG-292/U	75	--	1.830	none
RG-293/U	50	--	.545	None
RG-294/U	95	--	.630	Twin Axial
RG-295/U	--	--	.895	None
RG-296/U	50	10,000	1.190	None
RG-297/U	50	--	1.005	None
RG-298/U	--	--	.650	unshielded buoyant cable
RG-301/U	50	3,000	.245	Similar to RG-126/U
RG-302/U	75	2,300	.206	Similar to RG-140/U
RG-303/U	50	1,900	.170	Similar to RG-141/U
RG-304/U	50	3,000	.280	Similar to RG-143A/U
RG-305/U	75	--	1.990	None
RG-306A/U	75	--	1.015	None

RG-307/U	75	400	.270	Interlayer is polyvinyl chloride
RG-316/U	50	1,200	--	High temperature similar to RG-188A/U
RG-318/U	50	--	1.100	None
RG-319A/U	50	--	2.000	None
RG-321/U	50	--	2.850	None
RG-322/U	50	--	3.040	None
RG-323/U	50	--	1.060	None
RG-324/U	50	--	.980	None
RG-325/U	50	--	.465	None
RG-326/U	50	--	.779	None
RG-327/U	50	--	1.180	None
RG-331/U	50	--	.625	None
RG-332/U	50	--	.815	None
RG-333/U	50	--	1.052	None
RG-334/U	75	--	.500	None
RG-335/U	75	--	.625	None
RG-336/U	75	--	.875	None
RG-360/U	50	--	.825	None
RG-366/U	50	--	.620	None
RG-367/U	50	--	5.200	Very large cable
RG-369/U	50	--	.470	None
RG-370/U	50	--	.390	None
RG-371/U	50	--	.140	None
RG-376/U	50	--	1.060	None
RG-377/U	50	--	.530	None
RG-378/U	50	--	2.000	None
RG-382/U	50	--	1.620	None
RG-385/U	50	--	.660	None