

BUXCOMM Table of RG”###” Coaxial Cable standards
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type	approx. impedance [ohms]	core	dielectric			overall diameter		braid	velocity factor	Comments VISIT: www.BUXCOMM.com for all your Amateur Radio; Antennas, cables, and accessories
			type	[in]	[mm]	in	mm			
RG-6/U	75	1.0 mm	Solid PE	0.185	4.7	0.27 0	8.4	double	0.75	Low loss at high frequency for cable television, satellite television and cable modems
RG-6/UQ	75		Solid PE			0.29 8	7.62	quad		This is "quad shield RG-6". It has four layers of shielding; regular RG-6 only has one or two
RG-8/U	50	2.17 m m	Solid PE	0.285	7.2	0.40 5	10.3			Amateur radio; Thicknet (10BASE5) is similar
RG-9/U	51		Solid PE			0.42 0	10.7			VISIT: www.BUXCOMM.com for all your Amateur Radio; Antennas, cables, and accessories
RG-11/U	75	1.63 m m	Solid PE	0.285	7.2	0.41 2	10.5		0.66	Used for long drops and underground conduit
RG-58/U	50	0.9 mm	Solid PE	0.116	2.9	0.19 5	5.0	single	0.66/0.78	Used for radiocommunication and amateur radio, thin Ethernet (10BASE2) and NIM electronics. Common.
RG-59/U	75	0.81 m m	Solid PE	0.146	3.7	0.24 2	6.1	single	0.66	Used to carry base band video in closed-circuit television, previously used for cable television. Generally it has poor shielding but will carry an HQ HD signal or video over short distances.

RG-60/U	50	1.024 m m	Solid PE			0.42 5	10.8	single		Used for high-definition cable TV and high-speed cable Internet.
RG-62/U	92		Solid PE			0.24 2	6.1	single	0.84	Used for ARCNET and automotive radio antennas.
RG-62A	93		ASP			0.24 2	6.1	single		Used for NIM electronics
RG-174/U	50	0.48 m m	Solid PE	0.100	2.5	0.10 0	2.55	single	0.66	Common for wifi pigtails: more flexible but higher loss than RG58; used with LEMO 00 connectors in NIM electronics.
RG-178/U	50	7×0.1 m m (Ag plated Cu clad Steel)	PTF E	0.033	0.84	0.07 1	1.8	single	0.69	VISIT: www.BUXCOMM.com for all your Amateur Radio; Antennas, cables, and accessories
RG-179/U	75	7×0.1 m m (Ag plated Cu)	PTF E	0.063	1.6	0.09 8	2.5	single	0.67	VGA RGBHV VISIT: www.BUXCOMM.com for all your Amateur Radio; Antennas, cables, and accessories
RG-213/U	50	7×0.029 6 in Cu	Solid PE	0.285	7.2	0.40 5	10.3	single	0.66	For radiocommunication and amateur radio, EMC test antenna cables. Typically lower loss than RG58. Common.
RG-214/U	50	7×0.029 6 in	PTF E	0.285	7.2	0.42 5	10.8	double	0.66	VISIT: www.BUXCOMM.com for all your Amateur Radio; Antennas, cables, and accessories

RG-218	50	0.195 in Cu	Solid PE	0.660 (0.680 ?)	16.76 (17.27?)	0.87 0	22	single	0.66	Large diameter, not very flexible, low loss (2.5dB/100' @ 400 MHz), 11kV dielectric withstand.
RG-223	50	2.74 m m	PE Foa m	0.285	7.24	0.40 5	10.29	Double		VISIT: www.BUXCOMM.com for all your Amateur Radio; Antennas, cables, and accessories
RG-316/U	50	7x0.006 7 in	PTF E	0.060	1.5	0.10 2	2.6	single	0.695	used with LEMO 00 connectors in NIM electronics

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Coaxial Cable Power Ratings; Watts at (MHz)

RG/U CABLE	1.0 Mhz	10 Mhz	50 Mhz	100 Mhz	200 Mhz	400 Mhz	900 Mhz	1000 Mhz	3000 Mhz	5000 Mhz
55, 6A, 212	4000	1500	800	550	360	250		150	65	50
8 MINI, RG8X	4000	1700	1000	550	360	250		150	65	50
8, 8A, 10A, 213	11000	3500	1500	975	685	450		230	115	70
9913, 9086, 9096		3500	1500	975	685	450		230	115	70
4XL8IIA, FLEXI 4XL		3500	1500	975	685	450		230	115	70
9095	11000	3500	1500	975	685	450		230	115	70
9, 9A, 9B, 214	9000	2700	1120	780	550	360		200	100	60
11, 11A, 12, 12A, 13, 13A, 216	8000	2500	1000	690	490	340		200	100	60
14, 14A, 217	20000	6000	2400	1600	1000	680		380	170	110
17, 17A, 18, 18A, 218, 219	50000	14000	5400	3600	2300	1400		780	360	230
55B, 223	5600	1700	700	480	320	215		120	60	40

RG/U CABLE	1.0 Mhz	10 Mhz	50 Mhz	100 Mhz	200 Mhz	400 Mhz	900 Mhz	1000 Mhz	3000 Mhz	5000 Mhz
58	3500	1000	450	300	200	135		80	40	20
58A, 58C	3200	1000	425	290	190	105		60	25	20
59, 59B	3900	1200	540	270	270	185		110	50	30
62, 62A, 71A, 71B	4500	1400	630	440	320	230		140	65	40
62B	3800	1350	600	410	285	195		110	50	31
141, 141A, 400 142, 142A	19000	9000	3500	2400	1600	1100		650	350	245
174	1000	350	160	80	80	60		35	15	10
178B, 196A	1300	640	330	240	180	120		75	40	-
188A, 316	1500	770	480	400	325	275		150	80	53
179B	3000	1400	750	480	420	320		190	100	73
393, 235		25000	9500	6300	4300	2800		1700	880	620
402		9000	3500	2400	1600	1100		650	350	245
405								130		
LDF4-50A	19000	6100	2600	1880	1310	906	563	551	294	217
LDF5-50A	44000	7700	7740	5380	3720	2550	1620	1520	785	568

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