

Amphenol RF is a world leader in the design, manufacture and supply of RF coaxial connectors, and offer a broad range of connectors designed to terminate to many commercially available coaxial cable types. Below is a listing of popular coaxial cables and their characteristics.

Dielectric Type	Time Delay (ns/ft)	Propagation Velocity (% of c)
Solid Polyethylene (PE)	1.54	65.9
Foam Polyethylene (FE)	1.27	80.0
Foam Polystyrene (FS)	1.12	91.0
Air Space Polyethylene (ASP)	1.15-1.21	84-88
Solid Teflon (ST)	1.46	69.4
Air Space Teflon (AST)	1.13-1.20	85-90

Type (/U)	MIL-W-17	Z ₀ (?)	Dielect. Type	Cap. (pF/ft)	O.D. (in.)	dB/100 ft @400 MHz	V _{max} (rms)	Shield
RG-4		50.0	PE	30.8	0.226	11.7	1,900	Braid
RG-5		52.5	PE	28.5	0.332	7.0	3,000	Braid
RG-5A/B		50.0	PE	30.8	0.328	6.5	3,000	Braid
RG-6	/2-RG6	76.0	PE	20.0	0.332	7.4	2,700	Braid
RG-6A	/2-RG6	75.0	PE	20.6	0.332	6.5	2,700	Braid
RG-8		52.0	PE	29.6	0.405	6.0	4,000	Braid
RG-8A		52.0	PE	29.6	0.405	6.0	5,000	Braid
RG-9		51.0	PE	30.2	0.420	5.9	4,000	Braid
RG-9A		51.0	PE	30.2	0.420	6.1	4,000	Braid
RG-9B		50.0	PE	30.8	0.420	6.1	5,000	Braid
RG-10		52.0	PE	29.6	0.463	6.0	4,000	Braid
RG-10A		52.0	PE	29.6	0.463	6.0	5,000	Braid
RG-11	/6-RG11	75.0	PE	20.6	0.405	5.7	4,000	Braid
RG-11A	/6-RG11	75.0	PE	20.6	0.405	5.2	5,000	Braid
RG-12	/6-RG12	75.0	PE	20.6	0.463	5.7	4,000	Braid
RG-12A	/6-RG12	75.0	PE	20.6	0.463	5.2	5,000	Braid
RG-17A		52.0	PE	29.6	0.870	2.8	11,000	Braid
RG-22	/15-RG22	95.0	PE	16.3	0.405	10.5	1,000	Braid
RG-22A/B	/15-RG22	95.0	PE	16.3	0.420	10.5	1,000	Braid
RG-23/A	/16-RG23	125.0	PE	12.0	0.650	5.2	3,000	Braid
RG-24/A	/16-RG24	125.0	PE	12.0	0.708	5.2	3,000	Braid
RG-34	/24-RG34	71.0	PE	21.7	0.625	5.3	5,200	Braid
RG-34A	/24-RG34	75.0	PE	20.6	0.630	5.3	6,500	Braid
RG-35	/64-RG35	71.0	PE	21.7	0.928	2.8	10,000	Braid
RG-35A/B	/64-RG35	75.0	PE	20.6	0.928	2.8	10,000	Braid
RG-55B		53.5	PE	28.8	0.200	11.7	1,900	Braid
RG-58	/28-RG58	53.5	PE	28.8	0.195	11.7	1,900	Braid
RG-58A	/28-RG58	52.0	PE	29.6	0.195	13.2	1,900	Braid
RG-58B		53.5	PE	28.8	0.195	14.0	1,900	Braid
RG-58C	/28-RG58	50.0	PE	30.8	0.195	14.0	1,900	Braid
RG-59/A	/29-RG59	73.0	PE	21.1	0.242	10.5	2,300	Braid
RG-59B	/29-RG59	75.0	PE	20.6	0.242	9.0	2,300	Braid
RG-62/A/B	/30-RG62	93.0	ASP	13.5	0.242	8.0	750	Braid

RG-63/A/B	/31-RG63	125.0	ASP	10.0	0.405	5.5	1,000	Braid
RG-65/A	/34-RG65	950.0	ASP	44.0	0.405	16 @5MHz	1,000	Braid
RG-71/A/B	/90-RG71	93.0	ASP	13.5	0.245	8.0	750	Braid
RG-79/A/B	/31-RG79	125.0	ASP	10.0	0.436	5.5	1,000	Braid
RG-83		35.0	PE	44.0	0.405	9.0	2,000	Braid
RG-88		48.0		50.0	0.515	0.7 @1MHz	10,000	Braid
RG-108/A	/45-RG108	78.0	PE	19.7	0.235	2.8 @10MHz	1,000	Braid
RG-111/A	/15-RG111	95.0	PE	16.3	0.478	10.5	1,000	Braid
RG-114/A	/47-RG114	185.0	ASP	6.5	0.405	8.5	1,000	Braid
RG-119	/52-RG119	50.0	ST	29.4	0.465	3.8	6,000	Braid
RG-120	/52-RG120	50.0	ST	29.4	0.523	3.8	6,000	Braid
RG-122	/54-RG122	50.0	PE	30.8	0.160	18.0	1,900	Braid
RG-130	/56-RG130	95.0	PE	17.0	0.625	8.8	3,000	Braid
RG-131	/56-RG131	95.0	PE	17.0	0.683	8.8	3,000	Braid
RG-133/A	/100-RG133	95.0	PE	16.3	0.405	5.7	4,000	Braid
RG-141/A		50.0	ST	29.4	0.190	9.0	1,900	Braid
RG-142/A/B	/60-RG142	50.0	ST	29.4	0.195	9.0	1,900	Braid
RG-144	/62-RG144	75.0	ST	19.5	0.410	4.5	5,000	Braid
RG-164	/64-RG164	75.0	PE	20.6	0.870	2.8	10,000	Braid
RG-165	/65-RG165	50.0	ST	29.4	0.410	5.0	5,000	Braid
RG-166	/65-RG166	50.0	ST	29.4	0.460	5.0	5,000	Braid
RG-177	/67-RG177	50.0	PE	30.8	0.895	2.8	11,000	Braid
RG-178/A/B	/93-RG178	50.0	ST	29.4	0.072	29.0	1,000	Braid
RG-179	/94-RG179	70.0	ST	20.9	0.100	21.0	1,200	Braid
RG-179A/B	/94-RG179	75.0	ST	19.5	0.100	21.0	1,200	Braid
RG-180	/95-RG180	93.0	ST	15.4	0.140	17.0	1,500	Braid
RG-180A/B	/95-RG180	95.0	ST	15.4	0.140	17.0	1,500	Braid
RG-210	/97-RG210	93.0	ASP	13.5	0.242	8.0	750	Braid
RG-211/A	/72-RG211	50.0	ST	29.4	0.730	2.3	7,000	Braid
RG-212	/73-RG212	50.0	PE	29.4	0.332	6.5	3,000	Braid
RG-213	/74-RG213	50.0	PE	30.8	0.405	5.5	5,000	Braid
RG-214	/75-RG214	50.0	PE	30.8	0.425	5.5	5,000	Braid
RG-215	/74-RG215	50.0	PE	30.8	0.463	5.5	5,000	Braid
RG-216	/77-RG216	75.0	PE	20.6	0.425	5.2	5,000	Braid
RG-217	/78-RG217	50.0	PE	30.8	0.545	4.3	7,000	Braid
RG-218	/79-RG218	50.0	PE	30.8	0.870	2.5	11,000	Braid
RG-219	/79-RG219	50.0	PE	30.8	0.928	2.5	11,000	Braid
RG-223	/84-RG223	50.0	PE	19.8	0.211	8.8	1,900	Dbl Braid
RG-302	/110-RG302	75.0	ST	19.5	0.201	8.0	2,300	Braid
RG-303	/111-RG303	50.0	ST	29.4	0.170	9.0	1,900	Braid
RG-304	/112-RG304	50.0	ST	29.4	0.280	6.0	3,000	Braid
RG-307/A	/116-RG307	75.0	80	16.9	0.270	7.5	1,000	Braid
RG-316	/113-RG316	50.0	ST	29.4	0.102	20.0	1,200	Braid
RG-391	/126-RG391	72.0		23.0	0.405	15.0	5,000	Braid
RG-392	/126-RG392	72.0		23.0	0.475	15.0	5,000	Braid
RG-393	/127-RG393	50.0	ST	29.4	0.390	5.0	5,000	Braid
RG-400	/128-RG400	50.0	ST	29.4	0.195	9.0	1,900	Braid

RG-401	/129-RG401	50.0	ST	29.4	0.250	4.6	3,000	Cu. S-R
RG-402	/130-RG402	50.0	ST	29.4	0.141	7.2	2,500	Cu. S-R
RG-403	/131-RG403	50.0	ST	29.4	0.116	29.0	2,500	Braid
RG-405	/133-RG405	50.0	ST	29.4	0.087	13.0	1,500	Braid
9914 (Belden)		50.0		26.0	0.405	10.0	-----	