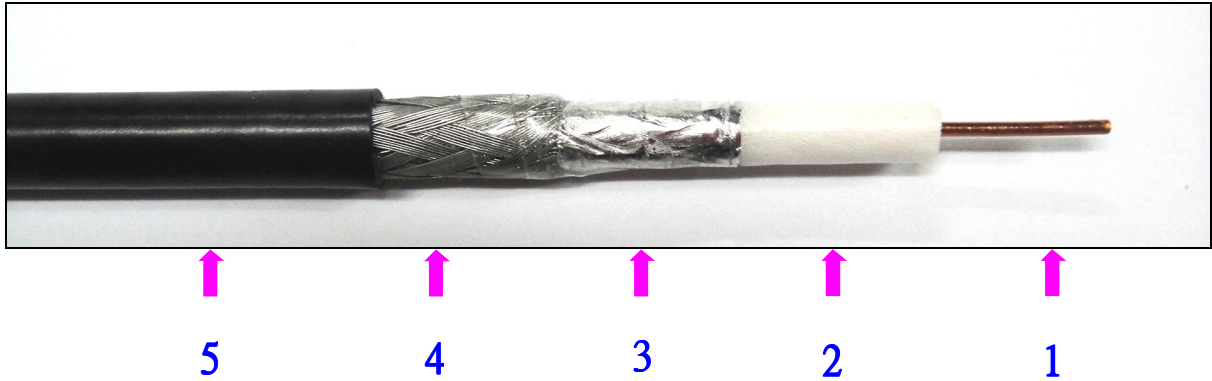


RG Type Coaxial Cable

Application : Applied to RF, instrument and CATV systems.

Construction :



- ❶ Inner conductor-Bare annealed copper , tinned copper or silver-coated copper wire or copper clad steel wire.
- ❷ Dielectric-Solid polyethylene or cellular polyethylene.
- ❸ Shielding-Sealed laminated aluminum foil.
- ❹ Outer conductor-Bare annealed copper wire, silver-coated copper wire or tinned annealed copper wire.
- ❺ Sheath-Polyvinyl chloride or polyethylene.

Property :

- ◆ Characteristic impedance including 50 ohm, 75 ohm or 93 ohm.
- ◆ Outer conductor can shield RF noise.
- ◆ Transmission frequency more than 1GHz.
- ◆ Temperature grade over 90°C.
- ◆ Standard is comply with MIL-C-17.

Specification :

Type Number	Inner conductor		Dielectric core		Outer conductor											Sheath		Max. amor overall dia.
	Material	detail	Material	Dia.	Inner braid					Outer braid					Max. braid overall dia.	Material	dia.	
					Material	diameter	Ends	Carriers	Pick/in	Material	diameter	Ends	Carriers	Pick/in				
		No./mm															mm	
RG-6/U	CP	1/0.724	A	4.7	AgCu	0.16	9	16	5.9	ACu	0.16	9	16	8.7	6.71	2	8.4	-
RG-7/U	ACu	1/0.914	AB	6.35	ACu	0.18	7	24	11	-	-	-	-	-	7.72	1	9.4	-
RG-8/U	ACu	7/0.724	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	1	10.3	-
RG-8A/U	ACu	7/0.724	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2a	10.3	-
RG-10/U	ACu	7/0.724	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2	10.3	12.1
RG-10A/U	ACu	7/0.724	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2a	10.3	12.05
RG-11/U	TCu	7/0.404	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	1	10.3	-
RG-11A/U	TCu	7/0.404	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2a	10.3	-
RG-12/U	TCu	7/0.404	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2	10.3	12.1
RG-12A/U	TCu	7/0.404	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2a	10.3	12.05
RG-17/U	ACu	1/4.78	A	17.3	ACu	0.26	14	24	33.1	-	-	-	-	-	19.3	2	22.1	-
RG-19A/U	ACu	1/6.35	A	23.1	ACu	0.26	12	36	3.5	-	-	-	-	-	25.1	2a	28.5	-
RG-58/U	ACu	1/0.813	A	2.95	TCu	0.127	7	16	10.3	-	-	-	-	-	3.81	1	4.95	-
RG-59/U	Cp	1/0.643	A	3.71	ACu	0.16	7	16	8.2	-	-	-	-	-	4.85	1	6.15	-
RG-59A/U	Cp	1/0.643	A	3.71	ACu	0.16	7	16	8.2	-	-	-	-	-	4.85	2a	6.15	-
RG-59B/U	Cp	1/0.584	A	3.71	ACu	0.16	7	16	8.2	-	-	-	-	-	4.85	2a	6.15	-
RG-62/U	Cp	1/0.643	AB	3.71	ACu	0.16	7	16	8.2	-	-	-	-	-	4.85	1	6.15	-
RG-62A/U	Cp	1/0.643	AB	3.71	ACu	0.16	7	16	8.2	-	-	-	-	-	4.85	2a	6.15	-
RG-63/U	Cp	1/0.643	AB	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	1	10.3	-
RG-63B/U	Cp	1/0.643	AB	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2a	10.3	-
RG-174/U	Cp	7/0.16	A	1.52	TCu	0.10	4	16	16.3	-	-	-	-	-	2.23	1	2.54	-

Type Number	Inner conductor		Dielectric core		Outer conductor											Sheath		Max. amor overall dia.
	Material	detail	Material	Dia.	Inner braid					Outer braid					Max. braid overall dia.	Material	dia.	
		No./mm			mm	Material	diameter	Ends	Carriers	Pick/in	Material	diameter	Ends	Carriers				
RG-213/U	ACu	7/0.752	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2a	10.3	-
RG-214/U	AgCu	7/0.752	A	7.24	AgCu	0.16	7	24	16.6	AgCu	0.16	7	24	15.4	9.14	2a	10.8	-
RG-215/U	TCu	7/0.752	A	7.24	ACu	0.18	8	24	6.5	-	-	-	-	-	8.64	2a	10.3	12.05
RG-217/U	ZCu	1/2.69	A	9.4	ACu	0.18	10	24	5.4	ACu	0.18	8	24	10.6	11.8	2a	13.8	-

Note : ACu Bare Copper
AgCu Silver-coated copper
TCu Tinned Copper
Cp Copper Clad Steel Conductor
A Soild PE
AB Air-spaced PE, PE filament thread within a tube of solid PE

1 Black PVC
2 Non-Contaminating Grey PVC
2a Non-Contaminating Black PVC

◆ Electrical properties :

Type Number	Dielectric Strength	Corona	Impedance	Capacitance	Velocity of propagation	Attenuation (dB/km)							
	kV(r.m.s)	kV(r.m.s)	Ω	nF/km	%	1MHz	10MHz	30MHz	100MHz	300MHz	400MHz	1000MHz	3000MHz
RG-6/U	7.0	2.7	76±3	65.6	67	7.9	28	48	92	171	-	361	656
RG-7/U	3.0	-	97.5±7.5	41.0	83	4.9	20	33	66	125	-	256	-
RG-8/U	10.0	5.0	52±2	96.8	67	6.3	20	36	68	138	-	295	590
RG-8A/U	10.0	5.0	52±2	96.8	67	6.3	20	36	68	138	197	295	590
RG-10/U	10.0	5.0	52±2	96.8	67	6.3	20	36	68	138	-	295	590
RG-10A/U	10.0	5.0	52±2	96.8	67	6.3	20	36	68	138	197	295	590
RG-11/U	10.0	5.0	75±3	67.3	67	7.1	23	41	76	139	-	264	-
RG-11A/U	10.0	5.0	75±3	67.3	67	7.1	23	41	76	139	171	264	605
RG-12/U	10.0	5.0	75±3	67.3	67	7.1	23	41	76	139	-	264	-
RG-12A/U	10.0	5.0	75±3	67.3	67	7.1	23	41	76	139	171	264	-
RG-17/U	22.0	11.0	52±2	96.8	67	2.7	9	16	32	62	-	139	328
RG-19A/U	30.0	14.0	52±2	96.8	67	-	-	-	22	49	76	115	253
RG-58/U	5.0	1.9	53.5±2.5	93.5	67	12	40	70	138	259	-	525	1050
RG-59/U	7.0	2.3	73±3	68.9	67	10	33	66	125	230	-	459	950
RG-59A/U	7.0	2.3	73±3	68.9	67	10	33	66	125	230	-	459	950
RG-59B/U	7.0	2.3	75±2	68.9	67	10	34	66	125	230	295	-	-
RG-62/U	3.0	-	93	44.3	84	11	33	66	102	181	-	328	590
RG-62A/U	3.0	-	93±5	44.3	84	11	33	66	102	181	263	328	590
RG-63/U	3.0	-	125	32.8	84	8.0	20	36	66	118	-	230	394
RG-63B/U	3.0	-	125±6	32.8	84	8.0	20	36	66	118	181	230	394
RG-174/U	4.5	1.5	50±2	110	67	-	-	-	359	631	655	1175	2103
RG-213/U	10.0	5.0	50±2	100	67	6.3	20	36	69	128	181	257	515
RG-214/U	10.0	5.0	50±2	100	67	-	-	-	67	123	-	249	501

Type Number	Dielectric Strength	Corona	Impedance	Capacitance	Velocity of propagation	Attenuation (dB/km)							
	kV(r.m.s)	kV(r.m.s)	Ω	nF/km	%	1MHz		kV(r.m.s)	kV(r.m.s)	Ω	nF/km	%	1MHz
RG-215/U	10.0	5.0	50±2	100	67	6.3	20	36	69	128	181	257	515
RG-217/U	12.0	7.0	50±2	100	67	4.5	15	26	50	94	141	197	410