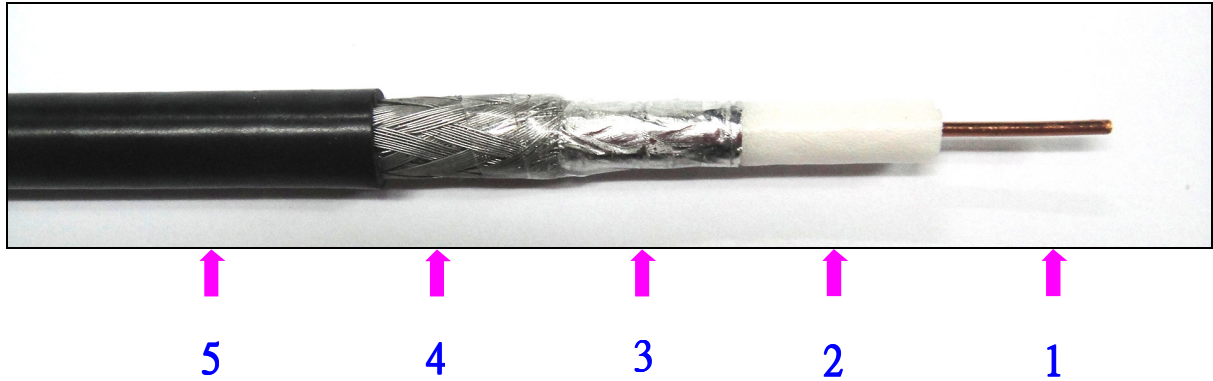


RG Type Coaxial Cable

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.	
		No./mm		mm	Material	diameter	Ends	Carriers	Pick/in	Material	diameter	Ends	Carriers	Pick/in			mm	
						mm	no	C	P/in		mm	no	C	P/in	mm		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. mm
	Material	detail	Material	Dia.	Inner braid					Outer braid					Max. braid overall dia. mm	Material	dia.	
		No./mm			mm	mm	no	C	P/in	Material	mm	no	C	P/in				
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