

RG Series MiL-C-17 TYPE HIGH-FREQUENCY COAXIAL CABLE

RG Wire & Cable Limited provides a comprehensive and complete range of RG Series coaxial cables, in accordance with MiL-C-17 specifications. The details of some of the key products are included below; however other products are available, also in non standard designs and colors upon request.

Physical Characteristics:

Item	Inner Conductor		Insulating		External Conductor							Jacket		
	Material	Structure	Mat'l	Outer Diameter	Material	Composition						Braid Outside/ Diameter (Max.)	Material	Outer Diameter
						Internal Braid Configuration			External Braided Configuration					
	-	N/mm	-	mm	-	mm	N *M	mm±%	mm	N* M	mm±%	mm	-	mm
RG-5B/U	SPC	1/1.29	PE	4.60±0.10	SPC	0.16	16*9	5.9±10	0.16	16*9	8.7±10	6.73	PVC	8.43±0.10
RG-6A/U	PAC	*1/0.724	PE	4.70±0.10	SPC	0.16	16*9	5.9±10	0.16	16*9	8.7±10	6.71	PVC	8.43±0.10
RG-8A/U	PAC	7/0.724	PE	7.24±0.25	PAC	0.18	24*8	6.5±10	-	-	-	8.64	PVC	10.3±0.25
RG-9B/U	SPC	7/0.724	PE	7.11±0.12	SPC	0.16	24*6	16.6±10	0.16	24*7	15.4±10	9.02	PVC	10.7±0.25
RG-11A/U	TPC	7/0.404	PE	7.24±0.17	PAC	0.18	24*8	6.5±10	-	-	-	8.64	PVC	10.3±0.17
RG-13A/U	TPC	7/0.404	PE	7.11±0.25	PAC	0.16	24*9	6.5±10	0.16	24*8	10.3±10	9.02	PVC	10.7±0.25
RG-14A/U	PAC	1/2.59	PE	9.40±0.33	PAC	0.18	24*10	5.4±10	0.18	24*8	10.6±10	11.8	PVC	13.8±0.33
RG-17A/U	PAC	1/4.78	PE	17.3±0.38	PAC	0.26	24*14	3.1±10	-	-	-	19.3	PVC	22.1±0.38
RG-34B/U	PAC	7/0.632	PE	11.7±0.25	PAC	0.18	24*10	9±10	-	-	-	13.6	PVC	16.0±0.25
RG-55B/U	SPC	1/0.813	PE	2.95±0.12	TPC	0.127	16*7	9±10	0.12	16*7	15±10	4.47	PE	5.25max.
RG-58C/U	TPC	19/0.18	PE	2.95±0.10	TPC	0.127	16*7	10.3±10	-	-	-	3.81	PVC	4.95±0.10
RG-59B/U	CCS	1/0.584	PE	3.71±0.10	PAC	0.16	16*7	8.2±10	-	-	-	4.85	PVC	6.15±0.10
RG-62A/U	CCS	1/0.643	PE	3.71±0.12	PAC	0.16	16*7	8.2±10	-	-	-	4.85	PVC	6.15±0.17
RG-63B/U	CCS	1/0.643	PE	7.24±0.25	PAC	0.18	24*8	6.5±10	-	-	-	8.64	PVC	10.2±0.25
RG-71B/U	CCS	1/0.643	PE	3.71±0.12	TPC	0.127	16*7	8.2±10	0.12	16*9	10.6±10	5.28	PE	6.35max.
RG-122/U	TPC	27/0.127	PE	2.44±0.07	TPC	0.127	16*6	12.9±10	-	-	-	3.20	PVC	4.05±0.12
RG-133A/U	PAC	1/0.645	PE	7.24±0.17	PAC	0.18	24*8	6.5±10	-	-	-	8.64	PVC	10.3±0.25
RG-174	CCS	7/0.16	PE	1.52±0.10	TPC	0.12	16*4	12±10	-	-	-	1.98	PVC	2.79±0.10
RG-212/U	CCSS	1/1.41	PE	4.70±0.10	SPC	0.16	16*9	5.9±10	0.16	16*9	8.7±10	6.73	PVC	8.43±0.10
RG-213/U	PAC	7/0.752	PE	7.24±0.17	PAC	0.18	24*8	6.5±10	-	-	-	8.64	PVC	10.3±0.17
RG-214/U	TPC	7/0.752	PE	7.24±0.17	SPC	0.16	24*6	16.6±10	0.16	24*7	15.4±10	9.14	PVC	10.8±0.17
RG-215/U	TPC	7/0.752	PE	7.24±0.17	PAC	0.18	24*8	6.5±10	-	-	-	8.64	PVC	10.3±0.17
RG-217/U	PAC	1/2.69	PE	9.40±0.25	PAC	0.18	24*10	5.4±10	0.18	24*8	10.6±10	11.8	PVC	13.8±0.25
RG-223/U	SPC	1/0.889	PE	2.95±0.10	SPC	0.127	16*7	9±10	0.127	16*7	10±10	4.47	PVC	5.50max.

Electrical Characteristics

Item	Attenuation (Max.)		Characteristic Impedance	Standard capacitance	Max. Working Voltage	Standard Attenuation									
	dB/km	MHz				Q	nF/km	kV	1 MHz	10 MHz	30 MHz	100 MHz	300 MHz	1000 MHz	3000 MHz
									dB/km						
RG-5B/U	213	400	50±2	93.5	3.0	-	-	-	79	141	289	548			
RG-6A/U	213 754	400 3000	75±3	67.3	2.7	-	28	48	92	171	361	656			
RG-8A/U	197	400	52±2	96.8	4.0	-	-	-	69	138	295	590			
RG-9B/U	200 715	400 3000	50±2	98.4	4.0	-	-	-	75	138	285	584			
RG-11A/U	171 605	400 3000	75±3	67.3	4.0	7.1	23	41	76	139	-	-			
RG-13A/U	187	400	74±3	67.3	4.0	7.1	23	41	76	139	-	-			
RG-14A/U	141 459	400 3000	52±2.5	96.8	5.5	-	-	-	46	92	204	426			
RG-17A/U	92 361	400 3000	52±2	96.8	11.0	-	-	-	28	59	138	328			
RG-22B/U	345	3000	95±5	52.5	1.0	-	-	56	118	230	-	-			
RG-34B/U	125	400	75±3	67.0	5.2	4.3	13	25	48	90.0	-	-			
RG-55B/U	384	400	53.5±2.5	93.5	1.9	-	33	66	138	259	525	1000			
RG-58C/U	459 1640	400 3000	50±2	93.5	1.9	-	43	82	174	315	721	1480			
RG-59B/U	295 983	400 3000	75±3	67.3	2.3	-	34	60	112	202	-	-			
RG-62A/U	263	400	93±5	44.3	0.75	-	33	56	102	181	328	590			
RG-63B/U	187	400	125±6	32.8	1.0	-	20	36	66	118	230	394			
RG-71B/U	263	400	93±5	44.3	0.75	-	33	56	102	180	328	590			
RG-122/U	590	400	50±2	105	1.9	-	-	-	195	345	655	-			
RG-133A/U	187	400	95	53	4.0	7.1	23	40	76	140	-	-			
RG-174/U	630	400	50±2	101	1.1	-	190	-	380	-	860	-			
RG-212/U	213 787	400 3000	50±2	100	2.5	-	-	-	89	162	320	624			
RG-213/U	181 623	400 3000	50±2	100	4.0	-	-	-	69	128	257	515			
RG-214/U	181 623	400 3000	50±2	100	4.0	-	-	-	67	123	249	501			
RG-215/U	181 623	400 3000	50±2	100	4.0	-	-	-	73	134	268	535			
RG-217/U	141 459	400 3000	50±2	100	6.0	-	-	-	50	94	196	410			
RG-223/U	384 1320	400 3000	50±2	100	1.9	-	-	-	129	230	443	938			

Designations:

PAC Bare Copper
SCCS Silver Plated Copper Covered Steel
TPC Tin Plated Copper
BCCS Bare Copper Covered Steel
AL/Poly Aluminum / Polyester Foil
SPC Silver Plated Copper Braid
TPC Tin Plated Copper Braid

PE Polyethylene
FPE Foam Polyethylene
PVC Polyvinylchloride