




Coaxials // RG-PVC

Industry standard coaxials


Intended for use primarily as a transmission line in high frequency applications

Description		Construction				Finished cable				
RG-PVC	Copper Covered Steel (CCS)		HFI 90	TPC braid	PVC	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	Conductor	Dielectric	Shield/s	Sheath/s					
50 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number
RG 174	7 x 0.16	0.48	1.52	2.00	2.80	14	1,100	100	15	3600017400
75 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number
RG 59	Solid	0.57	3.70	4.45	6.15	57	1,700	64	30	3600005900
RG-PVC	Tin Plated Copper (TPC)		HFI 90	TPC braid	PVC	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	Conductor	Dielectric	Shield/s	Sheath/s					
50 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number
RG 58	19 x 0.18	0.90	2.95	3.55	4.95	36	1,100	101	25	3600005800
RG-PVC	Silver Plated Copper (SPC)		HFI 90	SPC braid	PVC	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	Conductor	Dielectric	Shield/s	Sheath/s					
50 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number
RG 214	7 x 0.75	2.25	7.24	In: 8.00 Out: 8.70	10.80	195	3,700	101	50	3600021400
RG 223	Solid	0.89	2.95	In: 3.50 Out: 4.10	5.40	57	1,400	101	25	3600022300

Attenuation (dB/100m at 20°C)					
Frequency (MHz)	RG 58	RG 59	RG 174	RG 214	RG 223
30	9	6	15	3	7
100	17	11	28	6	13
400	35	23	57	13	27
1,000	56	37	90	21	43
2,500	91	61	145	35	70

Power (Watts at 40°C)					
Frequency (MHz)	RG 58	RG 59	RG 174	RG 214	RG 223
30	329	560	95	1,300	340
100	180	307	85	712	186
400	90	153	42	356	93
1,000	57	97	27	225	59
2,500	36	61	17	142	37

Cable identification	
Dielectric: Natural	
Sheath: Black	
Marking: RG ### - Habia Cable - Article No. - Year-Week - Batchcode	

Characteristics and key properties			
	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU
			+70°C High temp
			-40°C Low temp

Data indicates nominal values in millimetres (mm) unless otherwise stated.

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