


RG Coaxials / RG-PVC

Industry standard coaxials, based on MIL-C-17

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


50 Ω

Order reference		Core			Finished cable			Electrical		
		Copper Covered Steel (CCS)		HFI 90 L	TPC braid	PVC	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RG 174	3600017400	7 x 0.16	0.48	1.52	2.00	2.80	14	100	5	1,100


75 Ω

Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RG 59	3600005900	Solid	0.57	3.70	4.45	6.15	57	64	8	1,700

50 Ω

Order reference		Core			Finished cable			Electrical		
		Tin Plated Copper (TPC)		HFI 90 L	TPC braid	PVC	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RG 58	3600005800	19 x 0.18	0.90	2.95	3.55	4.95	36	101	11	1,100

50 Ω

Order reference		Core			Finished cable			Electrical		
		Silver Plated Copper (SPC)		HFI 90 L	SPC braid	PVC	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RG 214	3600021400	7 x 0.75	2.25	7.24	1st: 8.00 2nd: 8.70	10.80	195	101	35	3,700
RG 223	3600022300	Solid	0.89	2.95	1st: 3.50 2nd: 4.10	5.40	57	101	12	1,400

Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)

Frequency	RG 58		RG 59		RG 174		RG 214		RG 223	
	dB	W	dB	W	dB	W	dB	W	dB	W
30	9	329	6	560	15	95	3	1,300	7	340
100	17	180	11	307	28	85	6	712	13	186
400	35	90	23	153	57	42	13	356	27	93
1,000	56	57	37	97	90	27	21	225	43	59
2,500	91	36	61	61	145	17	35	142	70	37



Cable identification

Dielectric Natural

Sheath Black

Marking RG ### - Habia Cable - Article No. - Year-Week - Batchcode

Characteristics and key properties

		RoHS REACH LVD	VoP 66%	Current rating IEC 60287						MBR Fixed = 5x Ø Flexing = 10x Ø
Based on MIL-C-17								Temp low -40°C		Temp peak +70°C

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