

## RG Coaxials / RG-LS0H

Halogen free alternatives to industry standard coaxials  
Intended for use primarily as a transmission line in high frequency applications

50 Ω

Order reference		Core			Finished cable			Electrical		
Description	Article Number	Copper Covered Steel (CCS)		HFI 90	TPC braid	HFS 80 T	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
RG 174 LS0H	3600017403	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 LS0H	3600005901	Solid	0.57	3.70	4.45	6.15	57	64	8	1,700

50 Ω

Order reference		Core			Finished cable			Electrical		
Description	Article Number	Tin Plated Copper (TPC)		HFI 90	TPC braid	HFS 80 T	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
RG 58 LS0H	3600005801	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		
Description	Article Number	Silver Plated Copper (SPC)		HFI 90	SPC braid	HFS 80 T	Weight	Cap.	DC current rating	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s			In free air at 40°C	
RG 214 LS0H	3600021401	7 x 0.75	2.25	7.24	1st: 8.00 2nd: 8.70	10.80	195	101	35	3,700
RG 223 LS0H	3600022301	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

<b>CE</b>	<b>UK CA</b>	RoHS REACH LVD	<b>VoP</b> 66%	<b>Current rating</b> IEC 60287	<b>Fluid resistant</b> Water		<b>Flame resistant</b> IEC 60332-1-2	<b>Halogen free</b> IEC 60754-1 IEC 60754-2	<b>Smoke free</b> IEC 61034-2	<b>MBR</b> Fixed = 5x Ø Flexing = 10x Ø
								<b>Temp low</b> -25°C		<b>Temp peak</b> +80°C

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