RG Coaxials / RG

High temperature, industry standard coaxials
Intended for use primarily as a transmission line in high frequency applications

50 Ω

Order reference		Core			Finished cable					
		Silver Plated Copper (SPC)		PTFE	SPC braid	FEP	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 142	3000014250	Solid	0.94	2.95	1st: 3.50 2nd: 4.10	4.80	80	95	29	1,400
RG 178	3000017850	7 × 0.10	0.30	0.85	1.30	1.75	9	94	6	500
RG 316	3000031650	7 × 0.18	0.54	1.56	2.00	2.45	17	94	13	900
RG 400	3000040050	19 × 0.20	0.98	2.95	1st: 3.50 2nd: 4.10	4.80	70	94	27	1,400

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 179	3000017950	7 × 0.10	0.30	1.60	2.05	2.50	16	63	6	900

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

Frequency	RG 142		RG 178		RG 179		RG 316		RG 400	
MHz	dB	W	dB	W	dB	W	dB	W	dB	W
30	7	2,373	25	274	15	511	15	621	8	2,008
100	13	1,300	46	150	28	280	27	340	15	1,100
400	26	650	93	75	56	140	54	170	31	550
1,000	42	411	148	47	86	89	86	108	50	348
2,500	69	260	237	30	144	56	139	68	82	220

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

Characteristics and key properties

CE		RoHS REACH LVD	VoP 70%	Current rating IEC 60287	Fluid resistant Fuel Oil Water		Flame resistant IEC 60332-1-2		Smoke free IEC 61034-2	MBR Fixed = 5x Ø Flexing = 10x Ø
								Temp low -55°C		Temp peak +200°C