

RG Coaxials / RG-M

High temperature military 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		
		Silver Plated Copper Covered Steel (SCCS)		PTFE	SPC braid	FEP	Weight	Cap.	DC current rating	Voltage
Description	Article Number	Stranding	Conductor	Dielectric	Shield/s	Sheath/s			pF/m	
RG 142 M	3000014200	Solid	0.94	2.95	In: 3.50 Out: 4.10	4.80	80	95	29	1,400
RG 178 M	3000017801	7 x 0.10	0.30	0.85	1.30	1.75	9	94	6	500
RG 178 M White	3000017800	7 x 0.10	0.30	0.85	1.30	1.75	9	94	6	500
RG 303 M	3000030300	Solid	0.94	2.95	3.55	4.32	45	94	29	1,400
RG 304 M	3000030400	Solid	1.50	4.70	In: 5.40 Out: 6.10	7.10	130	94	52	2,200
RG 316 M	3000031601	7 x 0.18	0.54	1.56	2.00	2.45	17	94	13	900
RG 316 M White	3000031600	7 x 0.18	0.54	1.56	2.00	2.45	17	94	13	900

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 M	3000017900	7 x 0.10	0.30	1.60	2.05	2.50	16	64	6	900
RG 302 M	3000030200	Solid	0.64	3.71	4.30	5.13	54	63	19	1,700

95 Ω

Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RG 180 M	3000018000	7 x 0.10	0.30	2.60	3.15	3.60	27	50	7	1,000

50 Ω

Order reference		Core			Finished cable			Electrical		
		Silver Plated Copper (SPC)		PTFE	SPC braid	FEP	Weight	Cap.	DC current rating	Voltage
Description	Article Number	Stranding	Conductor	Dielectric	Shield/s	Sheath/s			pF/m	
RG 393 M	3000039300	7 x 0.80	2.43	7.24	In: 8.00 Out: 8.70	10.10	180	95	82	1,900
RG 400 M	3000040000	19 x 0.20	0.98	2.95	In: 3.50 Out: 4.10	5.10	55	95	27	1,400

Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)																				
Frequency	RG 142 M		RG 178 M		RG 179 M		RG 180 M		RG 302 M		RG 303 M		RG 304 M		RG 316 M		RG 393 M		RG 400 M	
MHz	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W
30	7	2,373	25	274	15	511	12	803	6	2,373	7	2,045	5	4,382	15	621	4	6,573	8	2,008
100	13	1,300	46	150	28	280	21	440	11	1,300	13	1,120	9	2,400	27	340	7	3,600	15	1,100
400	26	650	93	75	56	140	43	220	22	650	26	560	18	1,200	54	170	14	1,800	31	550
1,000	42	411	148	47	86	89	69	139	36	411	42	354	30	759	86	108	23	1,138	50	348
2,500	69	260	237	30	144	56	112	88	59	260	69	224	49	480	139	68	39	720	82	220

Cable identification

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

Characteristics and key properties

CE	UK CA	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
Based on MIL-C-17							Temp low -55°C	Temp peak +200°C

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