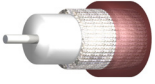



RG Coaxials / RG-M

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



Order reference		Core			Finished cable				Electrical			
		Silver Plated Copper Covered Steel (SCCS)		PTFE	SPC braid	FEP	Weight	Fixed MBR	Imp.	Cap.	DC current rating In free air at 40°C	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s						
Description (NSN - if applicable)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	mm	Ohms	pF/m	Amps	V AC rms
RG 142 M	3000014200	Solid	0.94	2.95	In: 3.50 Out: 4.10	4.80	80	25	50	95	29	1,400
RG 178 M	3000017801	7 x 0.10	0.30	0.85	1.30	1.75	9	10	50	94	6	500
RG 178 M White	3000017800	7 x 0.10	0.30	0.85	1.30	1.75	9	10	50	94	6	500
RG 179 M	3000017900	7 x 0.10	0.30	1.60	2.05	2.50	16	15	75	64	6	900
RG 180 M	3000018000	7 x 0.10	0.30	2.60	3.15	3.60	27	20	95	50	7	1,000
RG 302 M	3000030200	Solid	0.64	3.71	4.30	5.13	54	30	75	63	19	1,700
RG 303 M	3000030300	Solid	0.94	2.95	3.55	4.32	45	25	50	94	29	1,400
RG 304 M	3000030400	Solid	1.50	4.70	In: 5.40 Out: 6.10	7.10	130	40	50	94	52	2,200
RG 316 M	3000031601	7 x 0.18	0.54	1.56	2.00	2.45	17	15	50	94	13	900
RG 316 M White	3000031600	7 x 0.18	0.54	1.56	2.00	2.45	17	15	50	94	13	900

		Silver Plated Copper (SPC)		PTFE	SPC braid	FEP	Weight	Fixed MBR	Imp.	Cap.	DC current rating In free air at 40°C	Voltage
		Stranding	Conductor	Dielectric	Shield/s	Sheath/s						
Description (NSN - if applicable)	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	mm	Ohms	pF/m	Amps	V AC rms
RG 393 M	3000039300	7 x 0.80	2.43	7.24	In: 8.00 Out: 8.70	10.10	180	50	50	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	25	50	95	27	1,400

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

Frequency MHz	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	
	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

	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU	All-round chemical resistance	Low smoke	Flame retardant	+200°C High temp
							Current rating to IEC 60287

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice. Data indicates nominal values in millimetres (mm) unless otherwise stated.