

Coax

Flame retardant	IEC 60332-1-2 UL 1581 VW-1
Smoke generation	IEC 61034-2
Toxicity	IEC 60754-2
Frequency range	Up to 2,5 GHz
Screening efficiency	-40dB (single braid) -70dB (double braid)
Velocity propagation	70%

Construction

Conductor	Silver Plated Copper (SPC) Silver Plated High Strength Copper Alloy (HSA)	Dielectric	PTFE
Shield	Braid of Silver Plated Copper (S)	Sheath	FEP

Identification

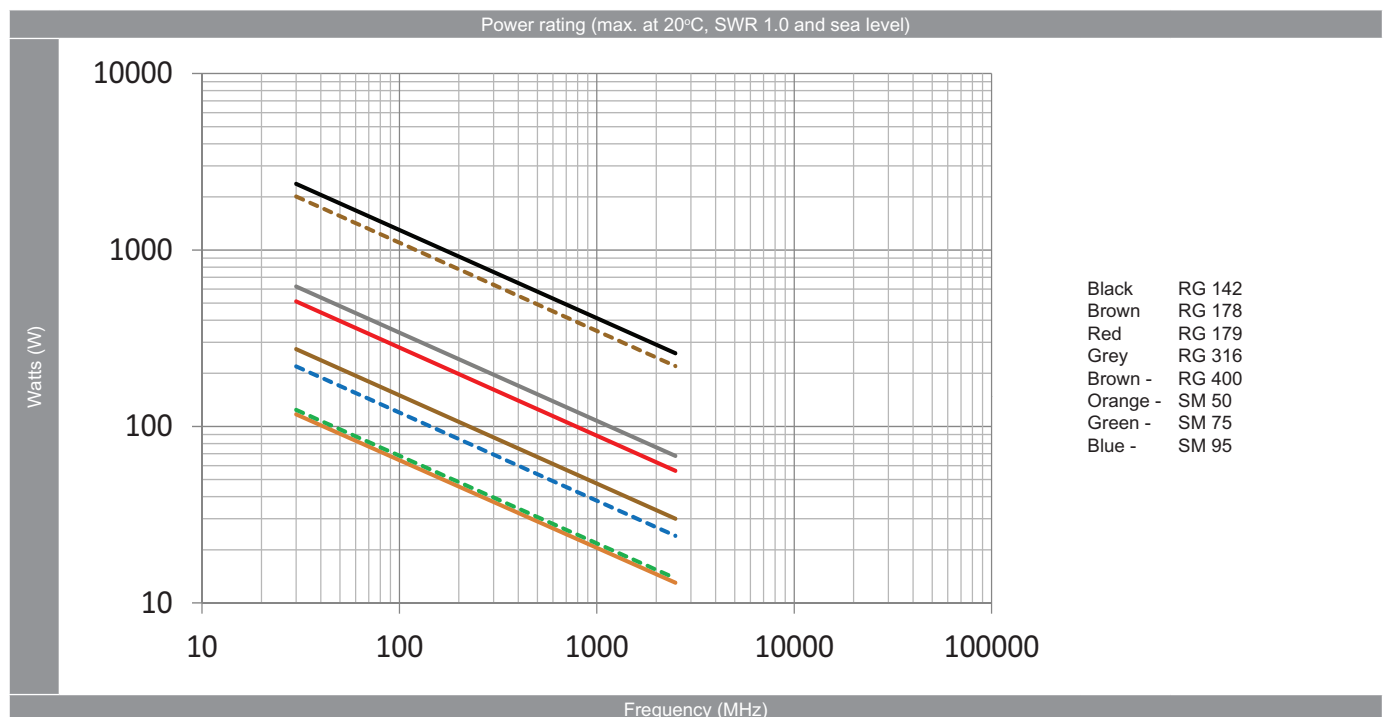
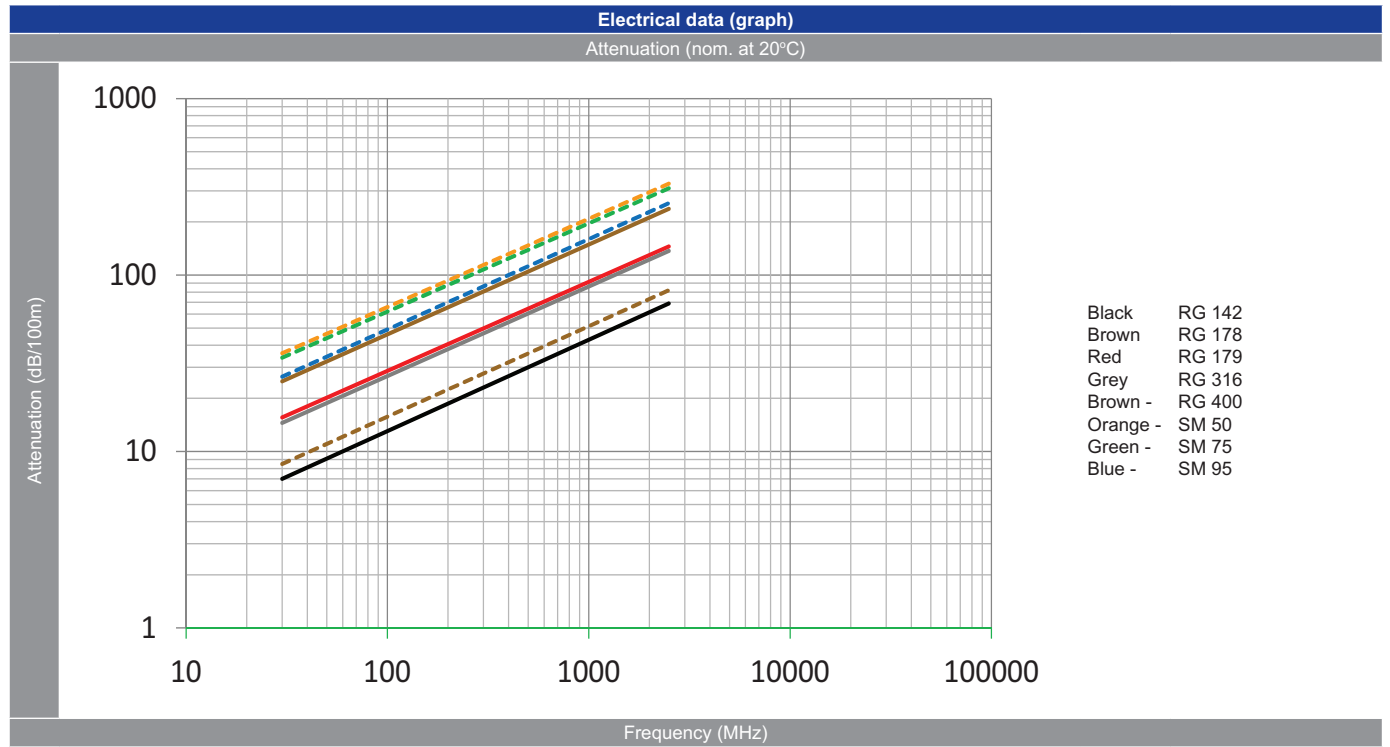
Dielectric	Natural
Sheath	Brown-transparent
Marking	TYPE Habia Cable ORDER REFERENCE YEAR-WEEK BATCHCODE (e.g. RG 142 Habia Cable 30000-142-50 2012-W20 121026001)

Description	Construction						Electrical			MBR		Order reference
	conductor material	conductor Ø	dielectric Ø	shield (s) Ø	sheath (s) Ø	weight g/m	V rms V DC	imp. Ω	cap. pF/m	static dynamic		
RG 142	SPC solid	0,94	2,95	S: 3,50 S: 4,10	4,80	80	1400 2800	50	95	25 50	30000-142-50	
RG 178	SPC 7x 0,10	0,30	0,87	S: 1,37	1,75	8	500 1000	50	94	10 20	30000-178-50	
RG 179	SPC 7x 0,10	0,30	1,60	S: 2,15	2,50	15	900 1800	75	63	15 30	30000-179-50	
RG 316	SPC 7x 0,18	0,54	1,52	S: 2,05	2,45	15	900 1800	50	94	15 30	30000-316-50	
RG 400	SPC (9x 0,20)	0,98	2,95	S: 3,50 S: 4,15	4,80	64	1400 2800	50	94	25 50	30000-400-50	
SM 50	HSA solid	0,16	0,52	S: 0,85	1,00	3	400 800	50	94	5 10	30000-050-00	
SM 75	HSA solid	0,10	0,55	S: 0,90	1,00	3	300 600	75	63	5 10	30000-075-00	
SM 95	HSA solid	0,10	0,95	S: 1,30	1,40	5	400 800	95	50	7 14	30000-095-00	

Electrical data (table)	Attenuation (dB/100m)						Power (W)					
	Frequency (MHz)						Frequency (MHz)					
	30	100	400	1000	2500	6000	30	100	400	1000	2500	6000
RG 142	7	13	26	42	69	-	2373	1300	650	411	260	-
RG 178	25	46	93	148	237	-	274	150	75	47	30	-
RG 179	15	28	56	86	144	-	511	280	140	89	56	-
RG 316	15	27	54	86	139	-	621	340	170	108	68	-
RG 400	8	15	31	50	82	-	2008	1100	550	348	220	-
SM 50	36	65	130	207	329	-	117	64	32	20	13	-
SM 75	36	65	130	207	329	-	117	64	32	20	13	-
SM 95	26	47	95	151	242	-	219	120	60	38	24	-

Application

Coaxials use solid PTFE dielectrics and FEP sheaths in order to offer high temperature properties. These coaxials typically use non-magnetic conductors which are less susceptible to passive intermodulation as well as providing a more cost effective solution to the copper-covered steel conductor coaxies.



Ref: RG_SM_03 Created: CJV Approved: AE Date: 2013-09-12

Data indicates nominal values unless stated otherwise, is only valid for reference purposes at the time of publication and is subject to change without prior notice.