


## RG Coaxials / RGT


High temperature triaxial cables

Intended for use primarily as a transmission line in high frequency applications

50 Ω

Order reference		Core			Finished cable			Electrical		
		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
RGT 393	3000039304	7 x 0.81	2.43	7.24	1st: 8.00 2nd: 9.90	1st: 9.00 2nd: 11.10	290	94	83	1,900
RGT 400	3000040002	19 x 0.20	0.98	2.95	1st: 3.50 2nd: 4.80	1st: 4.20 2nd: 5.70	78	94	27	1,400

50 Ω

Order reference		Core			Finished cable			Electrical		
		Silver Plated Copper Covered Steel (SCCS)		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
RGT 178	3000017814	7 x 0.10	0.30	0.84	1st: 1.30 2nd: 2.30	1st: 1.80 2nd: 2.80	20	94	6	900
RGT 316	3000031604	7 x 0.18	0.51	1.52	1st: 2.00 2nd: 2.95	1st: 2.49 2nd: 3.60	31	94	13	900
RGT 403	3000040300	7 x 0.10	0.30	0.84	1st: 1.30 2nd: 2.35	1st: 1.88 2nd: 2.95	21	94	6	500

75 Ω

Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RGT 179	3000017903	7 x 0.10	0.30	1.60	1st: 2.05 2nd: 3.00	1st: 2.54 2nd: 3.60	31	63	6	900

95 Ω

Description	Article Number	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	pF/m	Amps	V AC rms
RGT 180	3000018003	7 x 0.10	0.30	2.59	1st: 3.05 2nd: 4.15	1st: 3.58 2nd: 4.80	53	50	7	1,000



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

Frequency MHz	RGT 178		RGT 179		RGT 180		RGT 316		RGT 393		RGT 400		RGT 403	
	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W	dB	W
30	25	274	15	511	12	803	15	621	4	6,573	8	2,008	26	438
100	46	150	28	280	21	440	27	340	7	3,600	15	1,100	50	240
400	93	75	56	140	43	220	54	170	14	1,800	31	550	95	120
1,000	148	47	86	89	69	139	86	108	23	1,138	50	348	151	76
2,500	237	30	144	56	112	88	139	68	39	720	82	220	240	48

### Cable identification

Dielectric	Natural	<input type="radio"/>
Inner sheath	Natural	<input type="radio"/>
Sheath	Brown-transparent	<input checked="" type="radio"/>
Marking	RGT #### - Habia Cable - Article No. - Year-Week - Batchcode	

### Characteristics and key properties

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

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