


RG Coaxials / SM & SMT

High temperature, sub-miniature coaxial and 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 Alloy (HSA)		PTFE	SPC braid	FEP	Weight	Cap.	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
SM 50	3000005000	Solid	0.16	0.52	0.80	1.00	3	86	3	400
SMT 50	3000005002	Solid	0.16	0.52	1st: 0.80 2nd: 1.30	1st: 1.00 2nd: 1.60	7	86	3	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
SM 75	3000007500	Solid	0.10	0.52	0.80	1.00	3	64	2	600

95 Ω



Order reference		Core			Finished cable			Electrical		
		Silver Plated Copper (SPC)		PTFE	SPC braid	FEP	Weight	Cap.	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
SM 95	3000009500	Solid	0.10	0.95	1.20	1.40	5	50	2	600

Attenuation (dB/100m @ 20°C) and power ratings (Watts @ 40°C)						
Frequency	SM 50 & SMT 50		SM 75		SM 95	
MHz	dB	W	dB	W	dB	W
30	36	117	36	117	26	219
100	65	64	65	64	47	120
400	130	32	130	32	95	60
1,000	207	20	206	20	151	38
2,500	329	13	328	13	242	24

Cable identification

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

Characteristics and key properties

		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

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