

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

-55°C to +200°C

Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	HSA	PTFE	SPC braid	FEP					
	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m			
SM 50	Solid	0.16	0.52	0.80	1.00	3	400	86	-	300005000
SMT 50	Solid	0.16	0.52	In: 0.80 Out: 1.30	In: 1.00 Out: 1.60	7	400	86	-	300005002



75 Ω

-55°C to +200°C

Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	HSA	PTFE	SPC braid	FEP					
	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m			
SM 75	Solid	0.10	0.52	0.80	1.00	3	600	64	-	300007500



95 Ω

-55°C to +200°C

Description	Construction					Properties				Article Number
	Conductor		Dielectric	Shield/s	Sheath/s	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	SPC	PTFE	SPC braid	FEP					
	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m			
SM 95	Solid	0.10	0.95	1.20	1.40	5	600	50	-	300009500



Electrical data

Attenuation (dB/100m at 20°C)				
Frequency (MHz)	SM 50	SMT 75	SM 75	SM 95
30	36	36	36	26
100	65	65	65	47
400	130	130	130	95
1,000	207	207	207	151
2,500	329	329	329	242

Power (Watts at 40°C)				
Frequency (MHz)	SM 50	SMT 50	SM 75	SM 95
30	117	117	117	219
100	64	64	64	120
400	32	32	32	60
1,000	20	20	20	38
2,500	13	13	13	24

Identification

Colours		
Part	Colour	Notes / Printing
Dielectric	Natural	
Outer sheath	Brown-transparent	SM ### - Habia Cable - Article No. - YYYY-Wwww - Batchcode

Characteristics & key properties

	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU	Chemically resistant	Flame retardant	Low smoke generation
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Data indicates nominal values in millimetres (mm) unless otherwise stated.
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