



# Speedflex

HFI 90 L dielectric, HFS 80 T sheathed coaxials, LSZH

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

Description		Construction				Finished cable				
Speedflex	Silver Plated Copper (SPC)		Foamed HFI 90 L	SPC braid	HFS 80 T	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	Conductor	Dielectric	Shield/s	Sheath/s					
50 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number
Speedflex 142	Solid	0.94	2.95	In: 3.50 Out: 4.10	5.10	56	1,600	95	25	3400014200
Speedflex 295	Solid	1.12	2.95	In: 3.50 Out: 4.10	5.10	54	400	82	25	3400029500
Speedflex 316	7 x 0.18	0.54	1.52	2.00	2.70	13	1,000	95	9	3400031600
Speedflex 316d	7 x 0.18	0.54	1.52	In: 2.00 Ou: 2.45	3.10	20	1,000	94	9	3400031610
Speedflex 375	Solid	1.40	3.75	In: 4.20 Out: 4.70	5.70	64	500	82	29	3400037500
Speedflex 393	7 x 0.81	2.43	7.24	In: 8.00 Out: 8.70	10.10	180	4,400	95	50	3400039300
Speedflex 400	19 x 0.20	0.98	2.95	In: 3.50 Out: 4.10	5.10	55	1,500	95	25	3400040000
Speedflex 585	Solid	2.22	5.85	In: 6.55 Out: 7.25	9.00	144	750	82	45	3400058500


  

Speedflex	Silver Plated Copper Covered Steel (SCCS)		Foamed HFI 90 L	SPC braid	HFS 80 T	Weight	Voltage	Capacitance	Fixed MBR	
	Stranding	Conductor	Dielectric	Shield/s	Sheath/s					
75 Ohms	# x mm	Nom Ø	Nom Ø	Nom Ø	Nom Ø	Nom g/m	V AC	pF/m	mm	Article Number
Speedflex 179	7 x 0.10	0.30	1.60	2.05	2.60	12	900	64	8	3400017900

Attenuation (dB/100m at 20°C)									
Frequency (MHz)	SF 142	SF 295	SF 316	SF 316d	SF 375	SF 393	SF 400	SF 585	SF 179
30	8	6	16	16	5	4	12	4	15
100	15	12	29	29	10	7	23	8	28
400	30	23	59	59	20	14	46	16	56
1,000	48	37	93	93	32	23	72	26	88
2,500	77	59	148	148	51	37	115	42	140

Power (Watts at 40°C)									
Frequency (MHz)	SF 142	SF 295	SF 316	SF 316d	SF 375	SF 393	SF 400	SF 585	SF 179
30	593	666	164	164	895	1,990	520	1,908	155
100	325	365	90	90	490	1,090	285	1,045	85
400	163	183	45	45	245	545	143	523	43
1,000	103	115	28	28	155	345	90	330	27
2,500	65	73	18	18	98	218	57	209	17

Cable identification									
Dielectric: Natural									
Sheath: Black									
Marking: Habia Cable - Description - Article No. - Year-Week - Batchcode									

Characteristics and key properties									
	RoHS 2011/65/EU	REACH EC No. 1907/2006	LVD 2014/35/EU			Halogen free	Low smoke generation	Flame retardant	+80°C High temp
									-25°C Low temp

Data indicates nominal values in millimetres (mm) unless otherwise stated.  
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