



Speedflex XL

HFI 90 L XL dielectric, HFS 105 XL B sheathed coaxials, LSZH, ruggedised
Intended for use primarily as a transmission line in high frequency applications


Description		Construction				Finished cable				
Speedflex XL	Silver Plated Copper (SPC)		Foamed HFI 90 L XL	SPC braid	HFS 105 XL B	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 XL	Solid	0.94	2.95	In: 3.50 Out: 4.10	5.10	56	1,600	95	25	3400014203
Speedflex 295 XL	Solid	1.12	2.95	In: 3.50 Out: 4.10	5.10	54	400	82	25	3400029502
Speedflex 316 XL	7 x 0.18	0.54	1.52	2.00	2.70	13	1,000	95	9	3400031603
Speedflex 316d XL	7 x 0.18	0.54	1.52	In: 2.00 Out: 2.45	3.10	20	1,000	94	9	3400031613
Speedflex 375 XL	Solid	1.40	3.75	In: 4.20 Out: 4.70	5.70	64	500	82	29	3400037504
Speedflex 393 XL	7 x 0.81	2.43	7.24	In: 8.00 Out: 8.70	10.10	180	4,400	95	50	3400039303
Speedflex 400 XL	19 x 0.20	0.98	2.95	In: 3.50 Out: 4.10	5.10	55	1,500	95	25	3400040003
Speedflex 585 XL	Solid	2.22	5.85	In: 6.55 Out: 7.25	9.00	144	750	82	45	3400058502

Speedflex XL		Silver Plated Copper Covered Steel (SCCS)		Foamed HFI 90 L XL	SPC braid	HFS 105 XL B	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 XL	7 x 0.10	0.30	1.60	2.05	2.60	12	900	64	8	3400017903	

Attenuation (dB/100m at 20°C)									
Frequency (MHz)	SF 142 XL	SF 295 XL	SF 316 XL	SF 316d XL	SF 375 XL	SF 393 XL	SF 400 XL	SF 585 XL	SF 179 XL
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 XL	SF 295 XL	SF 316 XL	SF 316d XL	SF 375 XL	SF 393 XL	SF 400 XL	SF 585 XL	SF 179 XL
30	1,032	1,196	292	292	1,598	3,560	922	3,414	274
100	565	655	160	160	875	1,950	505	1,870	150
400	283	328	80	80	438	975	253	935	75
1,000	179	207	51	51	277	617	160	591	47
2,500	116	131	32	32	175	390	101	374	30

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	+105°C High temp
									-25°C Low temp

Data indicates nominal values in millimetres (mm) unless otherwise stated.
DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice.