

LV ABC  
XLPE  
Self Support

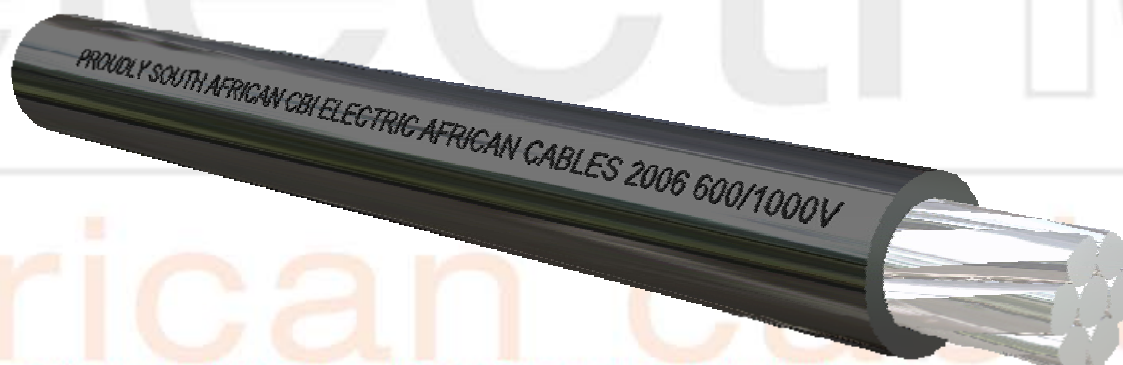
F7CA... Primary group code  
...SA0 Finish code

Aluminium 3 core + Neutral  
600/1000V  
ABC  
SANS 1418

Size code	...naaa...	4025	4035	4050	4070	4095	4120	4150
Conductor size	mm <sup>2</sup> nom	25	35	50	70	95	120	150
Conductor diameter	mm app.	6.2	7	8.2	9.8	11.6	13.5	14.4
Core diameter	mm app.	9.2	10.3	11.5	13.6	15.4	17.3	18.2
Assembled diameter	mm app.	22.1	24.9	27.8	32.8	37.1	41.7	43.9
Cable mass	kg/m app.	0.39	0.53	0.68	0.96	1.27	1.57	1.87
Gross mass ( 500 m )	kg app.	197	265	340	482	636	786	937
Design Load (UTS/2.5)								
Combined	kN max	5.3	7.2	10	14	20	25	31
Current rating								
In air	Amps	111	138	168	213	258	300	339
Resistance								
dc @ 20°C	Ω/km max	1.2	0.868	0.641	0.443	0.32	0.253	0.206
ac @ 90°C	Ω/km max	1.539	1.113	0.822	0.568	0.411	0.325	0.265
Reactance								
	Ω/km	0.09	0.09	0.084	0.083	0.08	0.078	0.077
Impedance								
	Ω/km	1.541	1.117	0.826	0.574	0.419	0.334	0.276
Short Circuit rating								
(Three Phase) Volt drop	kA (1sec) mV/A/m	2.2 2.67	3 1.94	4.1 1.43	5.9 0.99	8.2 0.73	10.3 0.58	12.7 0.48

Last updated May 2006

When ordering please quote: primary + size + finish code  
e.g. F7CA 4120 SA0



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