

LV ABC  
XLPE  
Self Support +  
1 x 25mm<sup>2</sup> auxiliary

F7CA...  
...SAI Primary group code  
Finish code

Aluminium 3 core + Neutral + auxiliary  
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	7.0	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.	0.49	0.63	0.78	1.06	1.37	1.67	1.97
Gross mass ( 500 m )	kg app.	198	266	341	483	637	787	938
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	1.200	0.868	0.641	0.443	0.320	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	0.090	0.090	0.084	0.083	0.080	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	3.0 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 SAI



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