

LV ABC
XLPE
SUPPORT +
1 x 25mm² auxiliary

F7CA... Primary group code
...SDI Finish code

Aluminium 3 core + Support + auxiliary
600/1000V
ABC
SANS 1418

Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150
Conductor size	mm ² 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.	33.0	35.5	38.0	42.5	46.5	50.5	52.5
Support Core size	mm ² nom	54.6	54.6	54.6	54.6	54.6	70	70
Cable mass	kg/m app.	0.60	0.70	0.81	1.02	1.26	1.53	1.76
Gross mass (500 m)	kg app.	394	445	524	630	724	1085	1198
Design Load (UTS/2.5)	kN max	6.6	6.6	6.6	6.6	6.6	8.0	8.0
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								
Impedance	Ω/km	0.090	0.090	0.084	0.083	0.080	0.078	0.077
Short Circuit rating								
(Three Phase) Volt Drop	kA (1sec)	2.2	3.0	4.1	5.9	8.2	10.3	12.7
	mV/A/m	2.67	1.93	1.43	0.99	0.73	0.58	0.48

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F7CA 3120 SEI



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