

LV ABC

XLPE

SANS SUPPORT

F7CA... Primary group code

...SD0 Finish code

Aluminium 3 core + Support

600/1000V

ABC

SANS 1418

Size code	...naaa...	3016	3025	3035	3050	3070	3095	3120	3150
Conductor size	mm ² nom	16	25	35	50	70	95	120	150
Conductor diameter	mm app.	5.0	6.2	7.0	8.2	9.8	11.6	13.5	14.4
Core diameter	mm app.	7.5	9.2	10.3	11.5	13.6	15.4	17.3	18.2
Assembled diameter	mm app.	29.3	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	54.6	70	70
Cable mass	kg/m app.	0.40	0.50	0.61	0.72	0.93	1.16	1.44	1.66
Gross mass (500 m)	kg app.	294	346	399	476	583	676	1040	1150
Design Load (UTS/2.5)	kN max	6.6	6.6	6.6	6.6	6.6	6.6	8.0	8.0
Current rating									
In air	Amps	87	111	138	168	213	258	300	339
Resistance									
dc @ 20°C	Ω/km max	1.91	1.200	0.868	0.641	0.443	0.320	0.253	0.206
ac @ 90°C	Ω/km max	2.372	1.539	1.113	0.822	0.568	0.411	0.325	0.265
Reactance	Ω/km	0.091	0.090	0.090	0.084	0.083	0.080	0.078	0.077
Impedance	Ω/km	2.374	1.541	1.117	0.826	0.574	0.419	0.334	0.276
Short Circuit rating	kA (1sec)	1.4	2.2	3.0	4.1	5.9	8.2	10.3	12.7
(Three Phase) Volt Drop	mV/A/m	4.11	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 SE0



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