

LV ABC  
XLPE  
SELF SUPPORT

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

Aluminium I core  
600/1000V  
ABC  
SANS 1418

Size code	...naaa...	2016	2025	2035	2050	2070	2095	2120	2150
Conductor size	mm <sup>2</sup> 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
Cable mass	kg/m app.	0.06	0.10	0.13	0.17	0.24	0.32	0.39	0.47
Gross mass ( 500 m )	kg app.	160	194	228	288	359	472	557	788
Design Load (UTS/2.5)	kN max	1.66	2.64	3.60	4.96	7.12	9.84	12.48	15.36
Current rating									
In air	Amps	87	111	138	168	213	258	300	339
Resistance									
dc @ 20°C	Ω/km max	1.910	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									
Impedance	Ω/km	0.091	0.090	0.090	0.084	0.083	0.080	0.078	0.077
Short Circuit rating									
(Single Phase)Volt Drop	kA (Isec) mV/A/m	1.4 4.75	2.2 3.08	3.0 2.23	4.1 1.65	5.9 1.15	8.2 0.84	10.3 0.67	12.7 0.55

Last updated May 2006

When ordering please quote: primary + size + finish code  
e.g. F7CA 2016SA0



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