

LV ABC
XLPE
SELF SUPPORT

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

Aluminium 1 core
600/1000V
ABC
SANS 1418

Size code	...naaa...	1016	1025	1035	1050	1070	1095	1120	1150
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
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.	128	145	162	203	238	313	361	554
Design Load (UTS/2.5)	kN max	0.83	1.32	1.80	2.48	3.56	4.92	6.24	7.68
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
Short Circuit rating (Single Phase)	kA (1sec)	1.4	2.2	3.0	4.1	5.9	8.2	10.3	12.7
Volt Drop	mV/A/m	4.75	3.08	2.23	1.65	1.15	0.84	0.67	0.55

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F7CA 1016SA0



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