

Low Voltage ABC Cables

LV ABC

XLPE

SANS SUPPORT

F7CA... Primary group code

...SD0 Finish code

Aluminium 2 core + Support

600/1000V

ABC

SANS 1418

Size code	...naaa...	2016	2025	2035	2050	2070	2095	2120	2150
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.	28.5	31.5	34.0	36.0	40.5	44.0	48.0	49.5
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.	0.33	0.40	0.47	0.54	0.69	0.84	0.99	1.14
Gross mass (500 m)	kg app.	262	296	331	390	461	516	815	890
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
(Single Phase) 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 2120 SE0



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

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