

Low Voltage ABC Cables

LV ABC
XLPE
Self Support

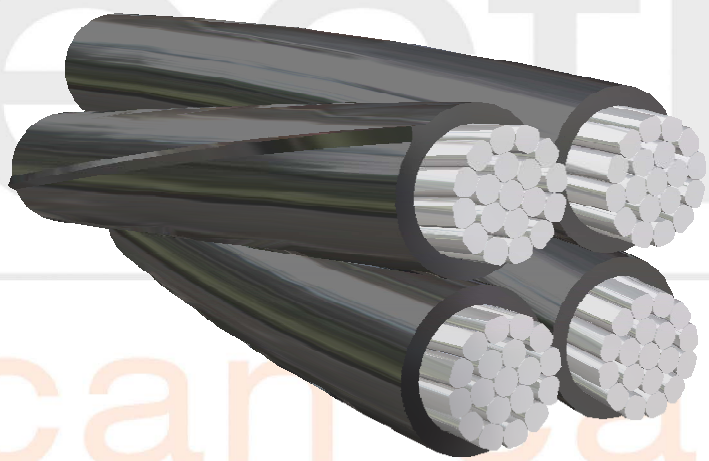
F7CA... Primary group code
...SA0 Finish code

Aluminium 3 core + Neutral
600/1000V
ABC
SANS 1418

Size code	...naaa...	4025	4035	4050	4070	4095	4120	4150
Conductor size	mm ² nom	25	35	50	70	95	120	150
Conductor diameter	mm app.	6.2	7	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.	22.1	24.9	27.8	32.8	37.1	41.7	43.9
Cable mass	kg/m app.	0.39	0.53	0.68	0.96	1.27	1.57	1.87
Gross mass (500 m)	kg app.	197	265	340	482	636	786	937
Design Load (UTS/2.5)								
Combined	kN max	5.3	7.2	10	14	20	25	31
Current rating								
In air	Amps	111	138	168	213	258	300	339
Resistance								
dc @ 20°C	Ω/km max	1.2	0.868	0.641	0.443	0.32	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	Ω/km	0.09	0.09	0.084	0.083	0.08	0.078	0.077
Impedance	Ω/km	1.541	1.117	0.826	0.574	0.419	0.334	0.276
Short Circuit rating	kA (1sec)	2.2	3	4.1	5.9	8.2	10.3	12.7
(Three Phase) Volt drop	mV/A/m	2.67	1.94	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 4120 SA0



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CBI Electric African Cables
PO Box 172, Vereeniging 1930 • Tel: +27 16 430 6000 • Fax: +27 16 423 6103
www.cbi-electric.com • afcab@cbi-electric.com

