

Low Voltage ABC Cables

LV ABC

XLPE

ESKOM BARE SUPPORT

F7CA... Primary group code

...EB0 Finish code

Aluminium 3 core + Bare Support

600/1000V

ABC

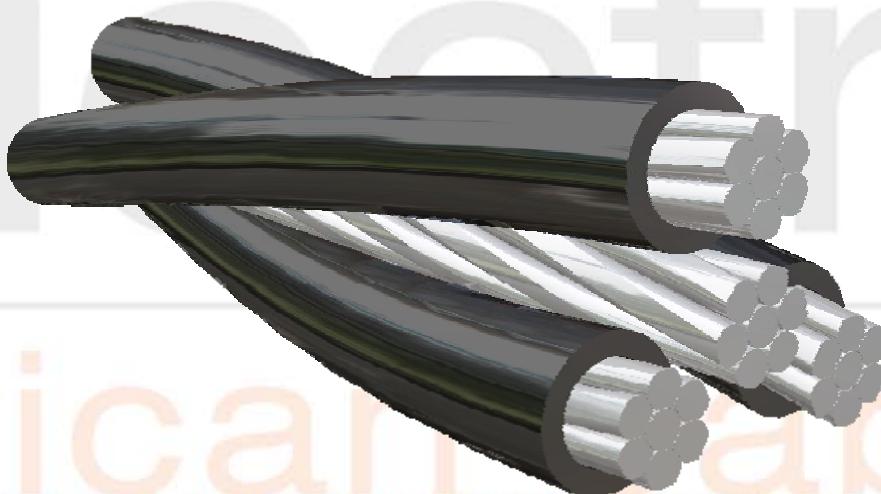
ESKOM (SCSSCAAD5)

Size code	...naaa...	3035	3050	3070	3095	3120
Conductor size	mm ² nom	35	50	70	95	120
Conductor diameter	mm app.	7.0	8.2	9.8	12.0	13.5
Core diameter	mm app.	10.3	11.5	13.6	15.5	17.5
Assembled diameter	mm app.	28.0	31.0	35.0	44.0	48.0
Support Core size	mm ² nom	35	50	50	70	70
Cable mass	kg/m app.	0.49	0.61	0.82	1.15	1.37
Gross mass (500 m)	kg app.	337	394	499	666	778
Design Load (UTS/2.5)	kN max	4.1	5.7	5.7	5.7	5.7
Current rating						
In air	Amps	138	168	213	250	290
Resistance						
dc @ 20°C	Ω/km max	0.868	0.641	0.443	0.320	0.253
ac @ 90°C	Ω/km max	1.113	0.822	0.568	0.398	0.315
Reactance	Ω/km	0.090	0.084	0.083	0.080	0.078
Impedance	Ω/km	1.117	0.826	0.574	0.406	0.325
Short Circuit rating	kA (1sec)	3.0	4.1	5.9	8.5	10.7
(Three Phase) Volt Drop	mV/A/m	1.93	1.43	0.99	0.70	0.56

Last updated May 2006

When ordering please quote: primary + size + finish code

e.g. F7CA 3035 EB0



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