

XLPE F7FA..... Primary group code  
 SANS Steel Catenary Type B ...SGB Finish code

Aluminium 3 Core + Catenary  
 6350/11000V  
 Type B  
 SANS 1713

Size code	...naaa...	3035	3050	3070	3095	3120	3150	3185
Conductor size	mm <sup>2</sup> nom	35	50	70	95	120	150	185
Conductor diameter	mm app.	7.0	8.5	10.0	12.0	13.5	14.5	16.0
Insulation diameter	mm app.	15.4	16.8	18.2	20.1	22.0	22.9	24.3
Core diameter (PVC sheath)	mm app.	21.5	22.9	24.3	26.4	28.3	29.4	30.8
Assembled diameter	mm app.	54.5	57.2	60.0	64.2	69.8	72.0	74.9
Cable mass	kg/m app.	2.15	2.37	2.67	3.08	3.63	3.97	4.40
Gross mass (500 m )	kg app.	1350	1460	1655	1860	2388	2557	2852
Bending radius	mm min.	817	857	899	962	1048	1080	1123
Current rating	Amps	145	176	221	273	315	359	410
Resistance								
dc @ 20°C	Ω/km max	0.868	0.641	0.443	0.320	0.253	0.206	0.164
ac @ 90°C	Ω/km max	1.113	0.822	0.568	0.411	0.325	0.265	0.211
Reactance	Ω/km	0.137	0.124	0.121	0.114	0.110	0.107	0.104
Impedance	Ω/km	1.121	0.832	0.581	0.426	0.343	0.285	0.234
Short circuit ratings								
Symmetrical	kA (1sec)	3.0	4.0	5.8	8.0	10.2	12.5	15.7
Earth fault	kA (1sec)	1.5	1.6	1.7	1.9	2.1	2.1	2.3
Finish code		....SGB	....SGB	....SGB	....SGB	....SHB	....SHB	....SHB
Steel Carrier size		50	50	50	50	70	70	70
Design load (UTS/2.5)	kN max	24.6	24.6	24.6	24.6	34.9	34.9	34.9
Conductor diameter	mm app.	9.0	9.0	9.0	9.0	10.8	10.8	10.8
Core diameter (PVC sheath)	mm app.	11.5	11.5	11.5	11.5	13.5	13.5	13.5

Last updated May 2006

When ordering please quote: primary + size + finish code  
 e.g. F2FA 3095 SGB



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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

