

XLPE  
 W/B, CSA, PE

 F2KC... Primary group code  
 ...068 Finish code

 Copper I Core  
 24000/42000V  
 AFCAB SPEC

**Single Point/Cross Bonded Cable Systems**

Size Code	..naaa...	1300	1400	1500	1630	1800	1999
<b>Physical Dimensions:</b>							
Conductor Size	mm <sup>2</sup> nom	300	400	500	630	800	1000
Conductor Diameter	mm app.	21.5	24.0	27.5	30.5	34.1	39.0
Insulation Diameter	mm app.	43.5	45.5	49.0	51.5	55.0	60.0
Outer S/C Screen Diameter	mm app.	45.0	47.0	50.5	53.0	56.5	61.5
CSA Diameter	mm app.	62.0	64.5	68.0	71.0	74.5	80.0
Cable Diameter (D)	mm app.	68.0	70.5	74.0	77.5	81.0	87.0
Cable Mass	kg/m app.	5.9	6.8	8.0	9.5	11.3	13.7
Gross Mass (500 m)	kg app.	3934	4378	4981	5726	6624	7839
<b>Current Ratings:</b>							
Flat Formation @ (2xD)							
In ground	Amps	576	655	743	838	936	1026
In air	Amps	884	1028	1190	1368	1562	1758
Trefoil Formation							
In ground	Amps	544	615	690	768	844	905
In air	Amps	757	871	997	1130	1267	1392
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.078	0.061	0.049	0.038	0.031	0.026
Capacitance	μF/km	0.270	0.299	0.334	0.365	0.403	0.453
Reactance (Flat)	Ω/km	0.175	0.169	0.180	0.177	0.172	0.168
Impedance (Flat)	Ω/km	0.192	0.180	0.187	0.181	0.175	0.170
Reactance (Trefoil)	Ω/km	0.117	0.111	0.122	0.162	0.114	0.110
Impedance (Trefoil)	Ω/km	0.141	0.127	0.132	0.167	0.119	0.113
Zero Sequences:							
Resistance	Ω/km	0.169	0.149	0.132	0.118	0.107	0.089
Reactance	Ω/km	0.061	0.056	0.067	0.063	0.059	0.056
Short Circuit Ratings:							
Symmetrical	kA (1sec)	43.1	57.4	71.8	90.4	114.9	143.6
Earth Fault	kA (1sec)	32.6	33.9	35.7	37.2	39.2	46.7

Last updated May 2006

Physical Dimensions are nominal values.  
 When ordering please quote: primary + size + finish code  
 e.g. F2KC\_1400\_068



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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
