

XLPE
W/B, CSA, PE

F2MA... Primary group code
...068 Finish code

Aluminium I Core
38000/66000V
AFCAB SPEC

Single Point/Cross Bonded Cable Systems

Size Code	...naaa...	1300	1400	1500	1630	1800	1999
Physical Dimensions:							
Conductor Size	mm ² nom	300	400	500	630	800	1000
Conductor Diameter	mm app.	20.5	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	49.0	51.5	53.5	56.0	60.5	65.5
Outer S/C Screen Diameter	mm app.	51.0	53.5	55.5	58.0	62.5	67.5
CSA Diameter	mm app.	70.0	72.5	74.5	77.5	82.0	87.0
Cable Diameter (D)	mm app.	77.5	80.5	82.5	86.0	90.5	96.0
Cable Mass	kg/m app.	5.4	5.9	6.3	7.0	7.9	9.0
Gross Mass (500 m)	kg app.	3711	3942	4161	4470	4933	5475
Current Ratings:							
Flat Formation @ (2xD)							
In ground	Amps	448	514	585	667	755	844
In air	Amps	671	788	913	1062	1229	1403
Trefoil Formation							
In ground	Amps	426	487	550	621	695	765
In air	Amps	586	682	783	901	1030	1158
Electrical Parameters:							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.040
Capacitance	μF/km	0.192	0.218	0.238	0.264	0.291	0.315
Reactance (Flat)	Ω/km	0.202	0.177	0.173	0.168	0.179	0.175
Impedance (Flat)	Ω/km	0.239	0.203	0.190	0.179	0.185	0.179
Reactance (Trefoil)	Ω/km	0.144	0.119	0.115	0.109	0.121	0.117
Impedance (Trefoil)	Ω/km	0.193	0.156	0.140	0.126	0.131	0.124
Zero Sequence:							
Resistance	Ω/km	0.187	0.180	0.133	0.114	0.098	0.086
Reactance	Ω/km	0.087	0.063	0.059	0.054	0.065	0.061
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	51.2	53.1	54.5	56.6	60.0	63.8

Last updated May 2006

Physical Dimensions are nominal values.
When ordering please quote: primary + size + finish code
e.g. F2MA_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

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