

XLPE
W/B, CSA, PE

F2NA... Primary group code
...068 Finish code

Aluminium 1 Core
51000/88000V
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.	21.0	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	56.0	57.5	59.5	61.5	67.0	72.0
Outer S/C Screen Diameter	mm app.	59.0	60.5	62.0	64.5	69.5	74.5
CSA Diameter	mm app.	78.0	80.0	81.5	84.0	89.5	94.5
Cable Diameter (D)	mm app.	86.5	88.0	90.0	92.5	98.5	104.0
Cable Mass	kg/m app.	6.5	6.9	7.4	7.9	9.0	10.1
Gross Mass (500 m)	kg app.	4250	4428	4663	4953	5496	6059
Current Ratings:							
Flat Formation @ (2xD)							
In ground	Amps	447	513	584	665	753	842
In air	Amps	657	773	894	1041	1203	1373
Trefoil Formation							
In ground	Amps	425	485	549	620	694	766
In air	Amps	581	677	777	894	1021	1149
Electrical Parameters:							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.040
Capacitance	μF/km	0.167	0.191	0.207	0.230	0.248	0.267
Reactance (Flat)	Ω/km	0.208	0.183	0.179	0.173	0.184	0.180
Impedance (Flat)	Ω/km	0.245	0.209	0.195	0.184	0.190	0.184
Reactance (Trefoil)	Ω/km	0.150	0.125	0.121	0.115	0.126	0.121
Impedance (Trefoil)	Ω/km	0.198	0.161	0.144	0.130	0.135	0.128
Zero Sequence:							
Resistance	Ω/km	0.181	0.152	0.129	0.110	0.094	0.082
Reactance	Ω/km	0.094	0.070	0.065	0.059	0.071	0.067
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	57.1	58.4	59.6	61.5	65.4	69.2

Last updated May 2006

Physical Dimensions are nominal values.

When ordering please quote: primary + size + finish code
e.g. F2NA_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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