

XLPE
 W/B, CSA, PE

 F2LA... Primary group code
 ...068 Finish code

 Aluminium I Core
 25000/44000V
 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.	43.0	46.0	48.0	51.0	55.0	59.0
Outer S/C Screen Diameter	mm app.	44.5	47.5	49.5	52.5	56.5	60.5
CSA Diameter	mm app.	63.0	66.0	68.5	71.5	76.0	80.0
Cable Diameter (D)	mm app.	70.5	74.0	76.0	79.5	84.0	88.5
Cable Mass	kg/m app.	4.6	5.1	5.5	6.2	7.0	7.9
Gross Mass (500 m)	kg app.	3294	3535	3760	4082	4485	4927
Current Ratings:							
Flat Formation @ (2xD)							
In ground	Amps	449	515	586	668	757	845
In air	Amps	684	804	931	1083	1257	1439
Trefoil Formation							
In ground	Amps	426	486	550	621	695	765
In air	Amps	590	687	789	908	1038	1164
Electrical Parameters:							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.040
Capacitance	μF/km	0.229	0.261	0.285	0.316	0.357	0.400
Reactance (Flat)	Ω/km	0.195	0.172	0.168	0.163	0.174	0.169
Impedance (Flat)	Ω/km	0.234	0.199	0.185	0.174	0.181	0.174
Reactance (Trefoil)	Ω/km	0.137	0.114	0.109	0.105	0.116	0.111
Impedance (Trefoil)	Ω/km	0.189	0.152	0.135	0.122	0.126	0.119
Zero Sequence:							
Resistance	Ω/km	0.193	0.162	0.138	0.119	0.103	0.090
Reactance	Ω/km	0.080	0.057	0.053	0.048	0.060	0.056
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	46.1	48.3	49.9	52.2	55.3	58.6

Last updated: May 2006

Physical Dimensions are nominal values.

 When ordering please quote: primary + size + finish code
 e.g. F2LA_1400_068


POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

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