

XLPE  
 W/B, CSA, PE

 F2PA... Primary group code  
 ...068 Finish code

 Aluminium I Core  
 76000/132000V  
 AFCAB SPEC

**Single Point /Cross Bonded Cable Systems**

Size Code	Units	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.	21.0	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	70.5	70.0	71.0	72.0	78.0	83.5
Outer S/C Screen Diameter	mm app.	74.0	73.5	74.0	75.0	81.0	86.5
CSA Diameter	mm app.	94.0	93.5	94.0	95.0	101.5	107.0
Cable Diameter (D)	mm app.	103.0	102.5	103.0	104.5	111.5	117.5
Cable Mass	kg/m app.	8.920	8.922	9.221	9.647	11.028	12.355
Gross Mass (500 m)	kg app.	5454	5455	5605	5818	6508	7172
<b>Current Ratings:</b>							
Flat Formation @ (2xD)							
In ground	Amps	445	511	581	662	751	840
In air	Amps	635	749	868	1012	1167	1330
Trefoil Formation							
In ground	Amps	425	485	549	620	695	767
In air	Amps	572	667	766	883	1007	1134
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.039
Capacitance	μF/km	0.141	0.158	0.170	0.187	0.199	0.212
Reactance (Flat)	Ω/km	0.219	0.193	0.187	0.180	0.192	0.187
Impedance (Flat)	Ω/km	0.255	0.218	0.203	0.191	0.198	0.191
Reactance (Trefoil)	Ω/km	0.162	0.135	0.129	0.122	0.134	0.129
Impedance (Trefoil)	Ω/km	0.207	0.168	0.151	0.137	0.143	0.135
Zero Sequence:							
Resistance	Ω/km	0.172	0.144	0.122	0.104	0.089	0.078
Reactance	Ω/km	0.107	0.080	0.074	0.068	0.079	0.075
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	68.7	68.2	68.7	69.6	74.1	78.2

Last updated May 2006

Physical dimensions are nominal values.

 When ordering please quote: primary + size + finish code  
 e.g. F2PA\_1400\_068


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