

XLPE  
 W/B, CSA, PE

 F2PC... Primary group code  
 ...068 Finish code

 Copper 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	24.5	27.5	30.5	34.5	39.0
Insulation Diameter	mm app.	70.5	70.0	71.0	73.5	78.0	83.5
Outer S/C Screen Diameter	mm app.	74.0	73.5	74.5	76.5	81.0	86.6
CSA Diameter	mm app.	94.0	93.5	94.5	96.5	101.5	107.0
Cable Diameter (D)	mm app.	103.0	102.5	103.0	106.5	111.5	117.5
Cable Mass	kg/m app.	10.74	11.25	12.23	13.78	15.99	18.56
Gross Mass (500 m)	kg app.	6360	6619	7109	7883	8987	10274
<b>Current Ratings:</b>							
Flat Formation @ (2xD)							
In ground	Amps	570	648	735	829	925	1017
In air	Amps	817	956	1110	1276	1450	1626
Trefoil Formation							
In ground	Amps	539	608	683	761	836	904
In air	Amps	731	844	967	1096	1228	1354
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.078	0.062	0.049	0.039	0.032	0.026
Capacitance	μF/km	0.143	0.158	0.176	0.187	0.199	0.212
Reactance (Flat)	Ω/km	0.202	0.193	0.201	0.196	0.192	0.187
Impedance (Flat)	Ω/km	0.217	0.202	0.207	0.200	0.194	0.189
Reactance (Trefoil)	Ω/km	0.144	0.135	0.143	0.138	0.134	0.129
Impedance (Trefoil)	Ω/km	0.164	0.148	0.151	0.144	0.137	0.132
Zero Sequence:							
Resistance	Ω/km	0.121	0.105	0.092	0.080	0.071	0.064
Reactance	Ω/km	0.090	0.080	0.088	0.084	0.079	0.075
Short Circuit Ratings:							
Symmetrical	kA (1sec)	43.1	57.4	71.8	90.4	114.9	143.6
Earth Fault	kA (1sec)	68.7	68.2	69.0	70.7	74.2	78.2

Last update May 2006

Physical dimensions are nominal values.  
 When ordering please quote: primary + size + finish code  
 e.g. F2PC\_1400\_068



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