

XLPE
 W/B, CSA, PE

 F2NC... Primary group code
 ...068 Finish code

 Copper I Core
 51000/88000V
 AFCAB SPEC

Single Point/Cross Bonded Cable Systems

Size Code	Units	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	24.5	27.5	30.5	34.5	39.0
Insulation Diameter	mm app.	56.0	58.0	60.0	62.5	67.0	72.0
Outer S/C Screen Diameter	mm app.	59.0	60.5	63.0	65.5	69.5	74.5
CSA Diameter	mm app.	78.0	80.0	82.5	85.0	89.5	94.5
Cable Diameter (D)	mm app.	86.5	88.0	91.0	93.5	98.5	104.0
Cable Mass	kg/m app.	8.34	9.2	10.4	11.9	14.0	16.4
Gross Mass (500 m)	kg app.	5270	5592	6289	7043	7971	9162
Current Ratings:							
Flat Formation @ (2xD)							
In ground	Amps	572	651	738	832	928	1019
In air	Amps	845	986	1143	1314	1494	1676
Trefoil Formation							
In ground	Amps	540	609	684	761	835	901
In air	Amps	742	855	979	1109	1240	1367
Electrical Parameters:							
AC Resistance @ 90°C	Ω/km max	0.078	0.061	0.049	0.039	0.031	0.026
Capacitance	μF/km	0.1689	0.1912	0.214	0.232	0.248	0.267
Reactance (Flat)	Ω/km	0.1911	0.1831	0.193	0.188	0.184	0.180
Impedance (Flat)	Ω/km	0.2063	0.1931	0.199	0.192	0.187	0.181
Reactance (Trefoil)	Ω/km	0.1330	0.1251	0.135	0.130	0.126	0.121
Impedance (Trefoil)	Ω/km	0.1542	0.139	0.144	0.136	0.130	0.124
Zero Sequence:							
Resistance	Ω/km	0.1298	0.112	0.098	0.086	0.076	0.069
Reactance	Ω/km	0.0771	0.069	0.079	0.075	0.071	0.067
Short Circuit Ratings:							
Symmetrical	kA (1sec)	43.1	57.4	71.8	90.4	114.9	143.6
Earth Fault	kA (1sec)	57.2	58.5	60.1	62.2	65.4	69.2

Last updated May 2006

Physical Dimensions are nominal values.

 When ordering please quote: primary + size + finish code
 e.g. F2NC_1400_068


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