

XLPE
W/B, CSA, PE

F2LC... Primary group code
...068 Finish code

Copper 1 Core
25000/44000V
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.	43.0	46.0	48.5	53.0	55.0	59.0
Outer S/C Screen Diameter	mm app.	44.5	47.5	50.5	54.0	56.5	61.0
CSA Diameter	mm app.	63.5	66.5	69.5	72.0	76.0	80.5
Cable Diameter (D)	mm app.	70.5	74.0	77.0	80.0	84.0	89.0
Cable Mass	kg/m app.	6.4	7.4	8.6	10.1	11.9	14.2
Gross Mass (500 m)	kg app.	4211	4700	5283	6036	6972	8071
Current Ratings:							
Flat Formation @ (2xD)							
In ground	Amps	575	654	742	836	932	1023
In air	Amps	881	1025	1189	1366	1556	1750
Trefoil Formation							
In ground	Amps	542	611	685	762	835	899
In air	Amps	754	868	993	1123	1255	1381
Electrical Parameters:							
AC Resistance @ 90°C	Ω/km max	0.078	0.061	0.049	0.039	0.031	0.026
Capacitance	μF/km	0.231	0.262	0.294	0.322	0.357	0.400
Reactance (Flat)	Ω/km	0.178	0.172	0.182	0.178	0.174	0.170
Impedance (Flat)	Ω/km	0.195	0.183	0.189	0.182	0.177	0.172
Reactance (Trefoil)	Ω/km	0.120	0.113	0.124	0.120	0.116	0.112
Impedance (Trefoil)	Ω/km	0.143	0.129	0.134	0.127	0.120	0.115
Zero Sequence:							
Resistance	Ω/km	0.142	0.123	0.107	0.095	0.085	0.076
Reactance	Ω/km	0.063	0.057	0.068	0.064	0.060	0.056
Short Circuit Ratings:							
Symmetrical	kA (1sec)	43.1	57.4	71.8	90.4	114.9	143.6
Earth Fault	kA (1sec)	46.2	48.4	50.6	52.6	55.5	58.7

Last updated May 2006

Physical Dimensions are nominal values.
When ordering please quote: primary + size + finish code
e.g. F2LC_1400_068



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