

XLPE
W/B, CSA, PE

F2MC... Primary group code
...068 Finish code

Copper I Core
38000/66000V
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	24.0	27.5	30.5	34.5	39.0
Insulation Diameter	mm app.	49.5	51.5	54.0	56.5	60.5	65.5
Outer S/C Screen Diameter	mm app.	51.5	53.5	56.0	58.5	62.5	67.5
CSA Diameter	mm app.	70.5	73.0	75.5	78.0	82.0	87.0
Cable Diameter (D)	mm app.	78.5	81.0	83.5	86.0	90.5	96.0
Cable Mass	kg/m app.	7.3	8.2	9.4	10.9	12.8	15.2
Gross Mass (500 m)	kg app.	4654	5108	5684	6424	7409	8578

Current Ratings:

Flat Formation @ (2xD)

In ground	Amps	574	653	740	834	930	1021
In air	Amps	862	1005	1166	1341	1525	1711

Trefoil Formation

In ground	Amps	541	610	684	761	835	900
In air	Amps	748	862	986	1116	1249	1374

Electrical Parameters:

AC Resistance	@ 90°C	Ω/km max	0.078	0.061	0.049	0.039	0.031	0.026
Capacitance		μF/km	0.194	0.219	0.245	0.269	0.291	0.315
Reactance (Flat)		Ω/km	0.185	0.178	0.188	0.183	0.179	0.175
Impedance (Flat)		Ω/km	0.200	0.188	0.194	0.187	0.182	0.177
Reactance (Trefoil)		Ω/km	0.127	0.120	0.129	0.125	0.121	0.117
Impedance (Trefoil)		Ω/km	0.149	0.135	0.138	0.131	0.125	0.120

Zero Sequence:

Resistance		Ω/km	0.136	0.117	0.102	0.091	0.081	0.072
Reactance		Ω/km	0.070	0.063	0.073	0.069	0.065	0.061

Short Circuit Ratings:

Symmetrical		kA (1sec)	43.1	57.4	71.8	90.4	114.9	143.6
Earth Fault		kA (1sec)	51.4	53.2	55.1	57.0	60.0	63.8

Last updated May 2006

Physical Dimensions are nominal values.

When ordering please quote: primary + size + finish code
e.g. F2MC_1400_068



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