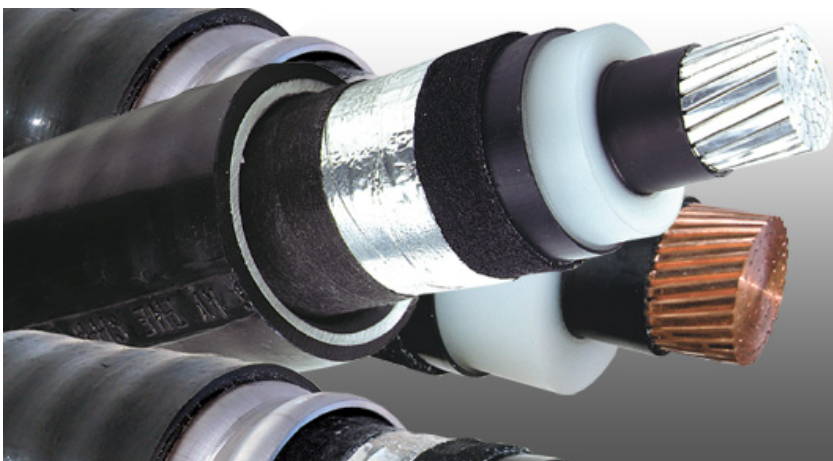


HV XLPE COPPER

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XLPE
W/B, CSA, PE

F2KC... Primary group code
...068 Finish code

Copper I Core
24000/42000V
AFCAB SPEC

Single Point/Cross Bonded Cable Systems

Size Code	..naaa...	1300	1400	1500	1630	1800	1999
Physical Dimensions:							
Conductor Size	mm ² nom	300	400	500	630	800	1000
Conductor Diameter	mm app.	21.5	24.0	27.5	30.5	34.1	39.0
Insulation Diameter	mm app.	43.5	45.5	49.0	51.5	55.0	60.0
Outer S/C Screen Diameter	mm app.	45.0	47.0	50.5	53.0	56.5	61.5
CSA Diameter	mm app.	62.0	64.5	68.0	71.0	74.5	80.0
Cable Diameter (D)	mm app.	68.0	70.5	74.0	77.5	81.0	87.0
Cable Mass	kg/m app.	5.9	6.8	8.0	9.5	11.3	13.7
Gross Mass (500 m)	kg app.	3934	4378	4981	5726	6624	7839
Current Ratings:							
Flat Formation @ (2xD)							
In ground	Amps	576	655	743	838	936	1026
In air	Amps	884	1028	1190	1368	1562	1758
Trefoil Formation							
In ground	Amps	544	615	690	768	844	905
In air	Amps	757	871	997	1130	1267	1392
Electrical Parameters:							
AC Resistance @ 90°C	Ω/km max	0.078	0.061	0.049	0.038	0.031	0.026
Capacitance	μF/km	0.270	0.299	0.334	0.365	0.403	0.453
Reactance (Flat)	Ω/km	0.175	0.169	0.180	0.177	0.172	0.168
Impedance (Flat)	Ω/km	0.192	0.180	0.187	0.181	0.175	0.170
Reactance (Trefoil)	Ω/km	0.117	0.111	0.122	0.162	0.114	0.110
Impedance (Trefoil)	Ω/km	0.141	0.127	0.132	0.167	0.119	0.113
Zero Sequences:							
Resistance	Ω/km	0.169	0.149	0.132	0.118	0.107	0.089
Reactance	Ω/km	0.061	0.056	0.067	0.063	0.059	0.056
Short Circuit Ratings:							
Symmetrical	kA (1sec)	43.1	57.4	71.8	90.4	114.9	143.6
Earth Fault	kA (1sec)	32.6	33.9	35.7	37.2	39.2	46.7

Physical Dimensions are nominal values.
When ordering please quote: primary + size + finish code
e.g. F2KC_1400_068



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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

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



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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

Physical Dimensions are nominal values.
When ordering please quote: primary + size + finish code
e.g. F2MC_1400_068



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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

Physical Dimensions are nominal values.
 When ordering please quote: primary + size + finish code
 e.g. F2NC_1400_068



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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	I 300	I 400	I 500	I 630	I 800	I 999
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.	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
Current Ratings:							
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
Electrical Parameters:							
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 (Isec)	43.1	57.4	71.8	90.4	114.9	143.6
Earth Fault	kA (Isec)	68.7	68.2	69.0	70.7	74.2	78.2

Physical dimensions are nominal values.
When ordering please quote: primary + size + finish code
e.g. F2PC_I400_068



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