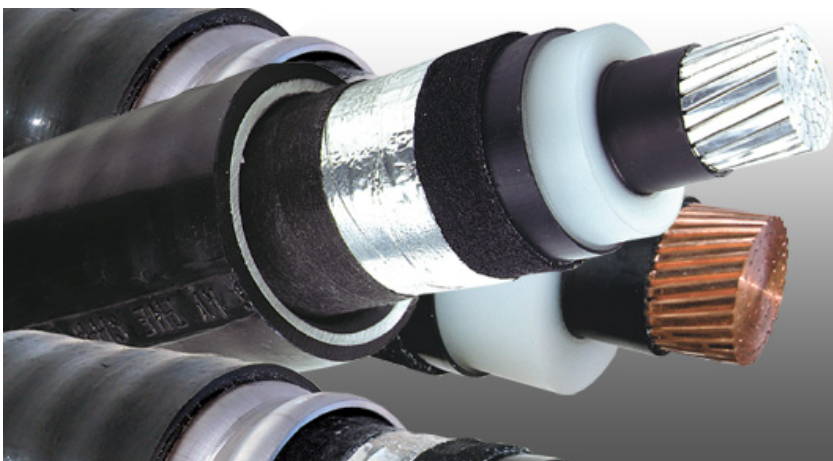


# HV XLPE ALUMINIUM

## Технические характеристики



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XLPE  
W/B, CSA, PE

F2LA... Primary group code  
...068 Finish code

Aluminium I Core  
25000/44000V  
AFCAB SPEC

## Single Point/Cross Bonded Cable Systems

Size Code	..naaa...	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.	20.5	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	43.0	46.0	48.0	51.0	55.0	59.0
Outer S/C Screen Diameter	mm app.	44.5	47.5	49.5	52.5	56.5	60.5
CSA Diameter	mm app.	63.0	66.0	68.5	71.5	76.0	80.0
Cable Diameter (D)	mm app.	70.5	74.0	76.0	79.5	84.0	88.5
Cable Mass	kg/m app.	4.6	5.1	5.5	6.2	7.0	7.9
Gross Mass (500 m)	kg app.	3294	3535	3760	4082	4485	4927
<b>Current Ratings:</b>							
Flat Formation @ (2xD)							
In ground	Amps	449	515	586	668	757	845
In air	Amps	684	804	931	1083	1257	1439
Trefoil Formation							
In ground	Amps	426	486	550	621	695	765
In air	Amps	590	687	789	908	1038	1164
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.040
Capacitance	μF/km	0.229	0.261	0.285	0.316	0.357	0.400
Reactance (Flat)	Ω/km	0.195	0.172	0.168	0.163	0.174	0.169
Impedance (Flat)	Ω/km	0.234	0.199	0.185	0.174	0.181	0.174
Reactance (Trefoil)	Ω/km	0.137	0.114	0.109	0.105	0.116	0.111
Impedance (Trefoil)	Ω/km	0.189	0.152	0.135	0.122	0.126	0.119
Zero Sequence:							
Resistance	Ω/km	0.193	0.162	0.138	0.119	0.103	0.090
Reactance	Ω/km	0.080	0.057	0.053	0.048	0.060	0.056
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	46.1	48.3	49.9	52.2	55.3	58.6

Physical Dimensions are nominal values.

When ordering please quote: primary + size + finish code  
e.g. F2LA\_1400\_068



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XLPE  
W/B, CSA, PE

F2MA... Primary group code  
...068 Finish code

Aluminium 1 Core  
38000/66000V  
AFCAB SPEC

## Single Point/Cross Bonded Cable Systems

Size Code	...naaa...	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.	20.5	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	49.0	51.5	53.5	56.0	60.5	65.5
Outer S/C Screen Diameter	mm app.	51.0	53.5	55.5	58.0	62.5	67.5
CSA Diameter	mm app.	70.0	72.5	74.5	77.5	82.0	87.0
Cable Diameter (D)	mm app.	77.5	80.5	82.5	86.0	90.5	96.0
Cable Mass	kg/m app.	5.4	5.9	6.3	7.0	7.9	9.0
Gross Mass (500 m)	kg app.	3711	3942	4161	4470	4933	5475
<b>Current Ratings:</b>							
<b>Flat Formation @ (2xD)</b>							
In ground	Amps	448	514	585	667	755	844
In air	Amps	671	788	913	1062	1229	1403
<b>Trefoil Formation</b>							
In ground	Amps	426	487	550	621	695	765
In air	Amps	586	682	783	901	1030	1158
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.040
Capacitance	μF/km	0.192	0.218	0.238	0.264	0.291	0.315
Reactance (Flat)	Ω/km	0.202	0.177	0.173	0.168	0.179	0.175
Impedance (Flat)	Ω/km	0.239	0.203	0.190	0.179	0.185	0.179
Reactance (Trefoil)	Ω/km	0.144	0.119	0.115	0.109	0.121	0.117
Impedance (Trefoil)	Ω/km	0.193	0.156	0.140	0.126	0.131	0.124
<b>Zero Sequence:</b>							
Resistance	Ω/km	0.187	0.180	0.133	0.114	0.098	0.086
Reactance	Ω/km	0.087	0.063	0.059	0.054	0.065	0.061
<b>Short Circuit Ratings:</b>							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	51.2	53.1	54.5	56.6	60.0	63.8

Physical Dimensions are nominal values.  
When ordering please quote: primary + size + finish code  
e.g. F2MA\_1400\_068



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XLPE  
W/B, CSA, PE

F2NA... Primary group code  
...068 Finish code

Aluminium 1 Core  
51000/88000V  
AFCAB SPEC

## Single Point/Cross Bonded Cable Systems

Size Code	...naaa...	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	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	56.0	57.5	59.5	61.5	67.0	72.0
Outer S/C Screen Diameter	mm app.	59.0	60.5	62.0	64.5	69.5	74.5
CSA Diameter	mm app.	78.0	80.0	81.5	84.0	89.5	94.5
Cable Diameter (D)	mm app.	86.5	88.0	90.0	92.5	98.5	104.0
Cable Mass	kg/m app.	6.5	6.9	7.4	7.9	9.0	10.1
Gross Mass (500 m)	kg app.	4250	4428	4663	4953	5496	6059
<b>Current Ratings:</b>							
Flat Formation @ (2xD)							
In ground	Amps	447	513	584	665	753	842
In air	Amps	657	773	894	1041	1203	1373
Trefoil Formation							
In ground	Amps	425	485	549	620	694	766
In air	Amps	581	677	777	894	1021	1149
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.040
Capacitance	μF/km	0.167	0.191	0.207	0.230	0.248	0.267
Reactance (Flat)	Ω/km	0.208	0.183	0.179	0.173	0.184	0.180
Impedance (Flat)	Ω/km	0.245	0.209	0.195	0.184	0.190	0.184
Reactance (Trefoil)	Ω/km	0.150	0.125	0.121	0.115	0.126	0.121
Impedance (Trefoil)	Ω/km	0.198	0.161	0.144	0.130	0.135	0.128
Zero Sequence:							
Resistance	Ω/km	0.181	0.152	0.129	0.110	0.094	0.082
Reactance	Ω/km	0.094	0.070	0.065	0.059	0.071	0.067
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	57.1	58.4	59.6	61.5	65.4	69.2

Physical Dimensions are nominal values.

When ordering please quote: primary + size + finish code  
e.g. F2NA\_1400\_068



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XLPE  
W/B, CSA, PE

F2PA... Primary group code  
...068 Finish code

Aluminium 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	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	70.5	70.0	71.0	72.0	78.0	83.5
Outer S/C Screen Diameter	mm app.	74.0	73.5	74.0	75.0	81.0	86.5
CSA Diameter	mm app.	94.0	93.5	94.0	95.0	101.5	107.0
Cable Diameter (D)	mm app.	103.0	102.5	103.0	104.5	111.5	117.5
Cable Mass	kg/m app.	8.920	8.922	9.221	9.647	11.028	12.355
Gross Mass (500 m)	kg app.	5454	5455	5605	5818	6508	7172
<b>Current Ratings:</b>							
Flat Formation @ (2xD)							
In ground	Amps	445	511	581	662	751	840
In air	Amps	635	749	868	1012	1167	1330
Trefoil Formation							
In ground	Amps	425	485	549	620	695	767
In air	Amps	572	667	766	883	1007	1134
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.039
Capacitance	μF/km	0.141	0.158	0.170	0.187	0.199	0.212
Reactance (Flat)	Ω/km	0.219	0.193	0.187	0.180	0.192	0.187
Impedance (Flat)	Ω/km	0.255	0.218	0.203	0.191	0.198	0.191
Reactance (Trefoil)	Ω/km	0.162	0.135	0.129	0.122	0.134	0.129
Impedance (Trefoil)	Ω/km	0.207	0.168	0.151	0.137	0.143	0.135
Zero Sequence:							
Resistance	Ω/km	0.172	0.144	0.122	0.104	0.089	0.078
Reactance	Ω/km	0.107	0.080	0.074	0.068	0.079	0.075
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	68.7	68.2	68.7	69.6	74.1	78.2

Physical dimensions are nominal values.

When ordering please quote: primary + size + finish code  
e.g. F2PA\_1400\_068



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 W/B, CSA, PE

 F2PA... Primary group code  
 ...068 Finish code

 Aluminium 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	24.0	26.5	30.0	34.5	39.0
Insulation Diameter	mm app.	70.5	70.0	71.0	72.0	78.0	83.5
Outer S/C Screen Diameter	mm app.	74.0	73.5	74.0	75.0	81.0	86.5
CSA Diameter	mm app.	94.0	93.5	94.0	95.0	101.5	107.0
Cable Diameter (D)	mm app.	103.0	102.5	103.0	104.5	111.5	117.5
Cable Mass	kg/m app.	8.920	8.922	9.221	9.647	11.028	12.355
Gross Mass (500 m)	kg app.	5454	5455	5605	5818	6508	7172
<b>Current Ratings:</b>							
Flat Formation @ (2xD)							
In ground	Amps	445	511	581	662	751	840
In air	Amps	635	749	868	1012	1167	1330
Trefoil Formation							
In ground	Amps	425	485	549	620	695	767
In air	Amps	572	667	766	883	1007	1134
<b>Electrical Parameters:</b>							
AC Resistance @ 90°C	Ω/km max	0.129	0.101	0.079	0.062	0.049	0.039
Capacitance	μF/km	0.141	0.158	0.170	0.187	0.199	0.212
Reactance (Flat)	Ω/km	0.219	0.193	0.187	0.180	0.192	0.187
Impedance (Flat)	Ω/km	0.255	0.218	0.203	0.191	0.198	0.191
Reactance (Trefoil)	Ω/km	0.162	0.135	0.129	0.122	0.134	0.129
Impedance (Trefoil)	Ω/km	0.207	0.168	0.151	0.137	0.143	0.135
Zero Sequence:							
Resistance	Ω/km	0.172	0.144	0.122	0.104	0.089	0.078
Reactance	Ω/km	0.107	0.080	0.074	0.068	0.079	0.075
Short Circuit Ratings:							
Symmetrical	kA (1sec)	27.8	37.0	46.3	58.3	74.0	92.5
Earth Fault	kA (1sec)	68.7	68.2	68.7	69.6	74.1	78.2

Physical dimensions are nominal values.

When ordering please quote: primary + size + finish code  
 e.g. F2PA\_1400\_068


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<b>Иваново</b> (4932)77-34-06	<b>Набережные Челны</b> (8552)20-53-41	<b>Севастополь</b> (8692)22-31-93	<b>Череповец</b> (8202)49-02-64
<b>Ижевск</b> (3412)26-03-58	<b>Нижний Новгород</b> (831)429-08-12	<b>Симферополь</b> (3652)67-13-56	<b>Ярославль</b> (4852)69-52-93
<b>Казань</b> (843)206-01-48	<b>Новокузнецк</b> (3843)20-46-81	<b>Смоленск</b> (4812)29-41-54	

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