

# 1kV LV XLPE Mains-Copper 3 Core

## Технические характеристики



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**Вологда** (8172)26-41-59  
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**Казань** (843)206-01-48

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**Кемерово** (3842)65-04-62  
**Киров** (8332)68-02-04  
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**Красноярск** (391)204-63-61  
**Курск** (4712)77-13-04  
**Липецк** (4742)52-20-81  
**Магнитогорск** (3519)55-03-13  
**Москва** (495)268-04-70  
**Мурманск** (8152)59-64-93  
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**Нижний Новгород** (831)429-08-12  
**Новокузнецк** (3843)20-46-81

**Новосибирск** (383)227-86-73  
**Омск** (3812)21-46-40  
**Орел** (4862)44-53-42  
**Оренбург** (3532)37-68-04  
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**Симферополь** (3652)67-13-56  
**Смоленск** (4812)29-41-54

**Сочи** (862)225-72-31  
**Ставрополь** (8652)20-65-13  
**Сургут** (3462)77-98-35  
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**Томск** (3822)98-41-53  
**Тула** (4872)74-02-29  
**Тюмень** (3452)66-21-18  
**Ульяновск** (8422)24-23-59  
**Уфа** (347)22948 -12  
**Хабаровск** (4212)92-98-04  
**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Ярославль** (4852)69-52-93

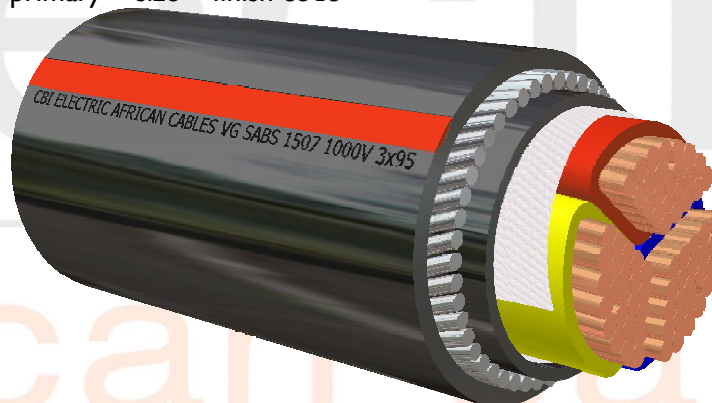
XLPE  
FRPVC SWA FRPVC (red stripe)  
LHPVC SWA LHPVC (blue stripe)

F2CC... Primary group code  
...111 Finish code  
...212

Copper 3 Core  
600/1000V  
SANS 1507

Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150	3185	3240	3300
Conductor size	mm <sup>2</sup> nom	25	35	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	6.0	6.0	7.0	8.5	10.0	11.0	12.5	14.0	16.0	18.0
Insulation diameter	mm app.	7.5	8.0	9.0	11.0	12.0	13.5	15.0	17.0	19.5	21.5
Bedding diameter	mm app.	20.5	19.5	22.0	25.5	29.0	32.0	35.5	40.0	44.5	49.0
Armour diameter	mm app.	23.5	22.0	24.0	29.5	33.0	36.0	39.5	45.0	49.5	54.0
Cable diameter	mm app.	27.0	25.5	28.0	33.5	37.0	41.0	44.0	50.0	54.5	59.5
Cable mass	kg/m app.	1.91	1.72	2.16	3.28	4.22	5.09	6.06	7.80	9.66	11.67
Gross mass ( 300 m )	kg app.	603	547	678	1023	1307	1588	1877	2399	2957	3562
Bending radius	mm min.	270	255	280	335	370	410	440	500	545	595
Current rating											
In ground	Amps	140	170	200	245	300	340	375	420	485	550
In ducts	Amps	115	140	165	205	245	280	310	355	405	460
In air	Amps	135	165	200	255	310	360	405	465	550	620
Resistance											
dc @ 20°C	Ω/km max	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.099	0.075	0.060
ac @ 90°C	Ω/km max	0.927	0.669	0.494	0.343	0.248	0.197	0.161	0.129	0.100	0.082
Zero Sequence											
Resistance	Ω/km	8.690	7.448	6.512	3.458	3.021	2.745	2.471	1.758	1.578	1.433
Reactance	Ω/km	0.063	0.062	0.063	0.057	0.056	0.058	0.060	0.059	0.059	0.060
Reactance	Ω/km	0.070	0.069	0.067	0.063	0.061	0.060	0.061	0.062	0.061	0.061
Impedance	Ω/km	0.930	0.672	0.499	0.349	0.255	0.206	0.193	0.144	0.118	0.102
Capacitance	μF/km	0.442	0.510	0.529	0.576	0.665	0.683	0.654	0.644	0.689	0.729
Short circuit ratings											
Symmetrical	kA (1sec)	3.4	4.7	6.4	9.2	12.8	16.2	20.0	25.0	32.8	41.2
Earth fault	kA (1sec)	2.6	2.9	3.3	6.4	7.2	7.9	8.7	12.3	13.5	14.8
(Three Phase) Volt Drop	mV/A/m	1.61	1.16	0.86	0.60	0.44	0.36	0.33	0.25	0.20	0.18

When ordering please quote: primary + size + finish code  
e.g. F2CC 3025 111



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# Low Voltage XLPE Cables

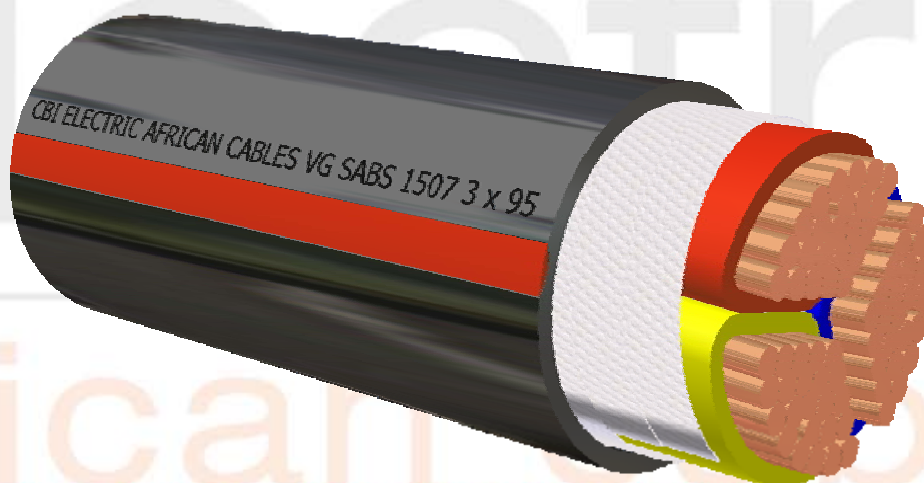
XLPE  
FRPVC (red stripe)  
LHPVC (blue stripe)

F2CC... Primary group code  
...001 Finish code  
...002

Copper 3 Core  
600/1000V  
SANS 1507

Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150	3185	3240	3300
Conductor size	mm <sup>2</sup> nom	25	35	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	5.0	6.0	7.0	8.5	10.0	11.0	12.5	14.0	16.0	18.0
Insulation diameter	mm app.	7.0	8.0	9.0	11.0	12.0	13.5	15.0	17.0	19.5	21.5
Cable diameter	mm app.	19	20.5	23	27	30	33	37	41	46	51
Cable mass meter	kg/m app.	0.86	1.14	1.50	2.13	2.87	3.57	4.41	5.49	7.15	8.92
Gross mass ( 300 m )	kg app.	285	369	477	679	900	1128	1383	1706	2205	2736
Bending radius	mm min.	152	164	184	216	240	264	296	328	368	408
<b>Current rating</b>											
In ducts	Amps	115	140	165	205	245	280	310	355	405	460
In air	Amps	135	165	200	255	310	360	405	465	550	620
<b>Resistance</b>											
dc @ 20°C	Ω/km max	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.099	0.075	0.060
ac @ 90°C	Ω/km max	0.927	0.669	0.494	0.343	0.247	0.197	0.161	0.130	0.101	0.082
Reactance	Ω/km	0.069	0.067	0.067	0.063	0.060	0.060	0.060	0.060	0.060	0.056
Impedance	Ω/km	0.875	0.633	0.471	0.331	0.245	0.200	0.169	0.143	0.120	0.107
<b>Short circuit ratings</b>											
Symmetrical	kA (1sec)	3.4	4.7	6.4	9.2	12.8	16.2	20.0	25.0	32.8	41.2
(Three Phase) Volt Drop	mV/A/m	1.61	1.16	0.86	0.60	0.44	0.36	0.30	0.25	0.20	0.17

When ordering please quote: primary + size + finish code  
e.g. F2CC 3025 001



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<b>Астана</b> +7(7172)727-132	<b>Калуга</b> (4842)92-23-67	<b>Омск</b> (3812)21-46-40	<b>Ставрополь</b> (8652)20-65-13
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<b>Барнаул</b> (3852)73-04-60	<b>Киров</b> (8332)68-02-04	<b>Оренбург</b> (3532)37-68-04	<b>Тверь</b> (4822)63-31-35
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<b>Брянск</b> (4832)59-03-52	<b>Красноярск</b> (391)204-63-61	<b>Пермь</b> (342)205-81-47	<b>Тула</b> (4872)74-02-29
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<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
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