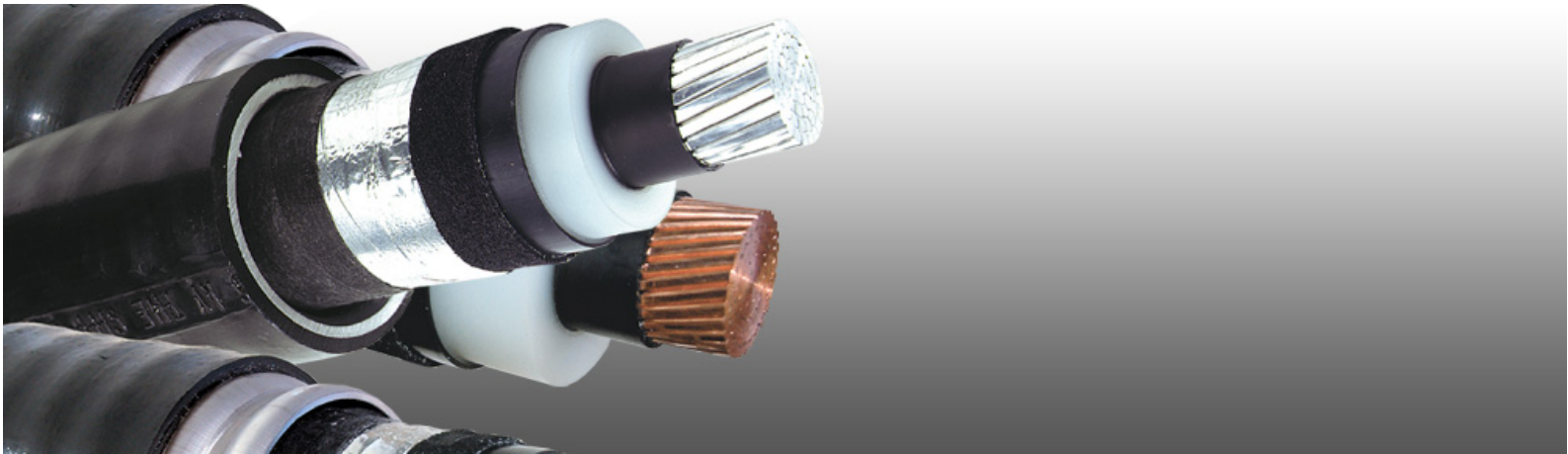


1kV PVC Copper 3 Core Технические характеристики



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Ярославль (4852)69-52-93

PVC
FR PVC SWA FR PVC (red stripe)
LH PVC SWA LH PVC (blue stripe)

F4CC... Primary group code
...111 Finish code
...212

Copper 3 Core
600/1000 V
SANS 1507

Size code	...naaa...	3915	3925	3004	3006	3010	3016
Conductor size	mm ² nom	1.5	2.5	4	6	10	16
Conductor diameter	mm app.	1.7	2.2	2.5	3.0	4.0	5.0
Insulation diameter	mm app.	3.5	4.0	5.0	5.5	6.0	7.0
Bedding diameter	mm app.	9.0	10.0	11.5	13.0	14.5	16.5
Armour diameter	mm app.	11.0	12.5	14.0	15.0	17.0	19.0
Cable diameter	mm app.	14.0	15.5	17.0	18.5	20.5	22.5
Cable mass	kg/m app.	0.45	0.50	0.61	0.72	0.90	1.15
Gross mass (500 m)	kg app.	255	280	345	400	510	635
Bending radius	mm min.	140	150	170	180	200	225
Current rating							
In ground	Amps	23	31	40	51	68	88
In ducts	Amps	20	26	34	43	58	75
In air	Amps	20	26	36	45	62	82
Resistance							
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15
ac @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38
Reactance	Ω/km	0.107	0.103	0.103	0.097	0.091	0.087
Capacitance	µF/km	0.334	0.398	0.386	0.450	0.542	0.649
Impedance	Ω/km	14.478	8.867	5.517	3.687	2.192	1.379
Zero Sequence							
Resistance	Ω/km	25.74	19.96	15.43	12.89	10.55	8.81
Reactance	Ω/km	0.166	0.153	0.145	0.135	0.124	0.114
Short circuit ratings							
Symmetrical	kA (1sec)	0.193	0.315	0.507	0.757	1.274	2.027
Earth fault	kA (1sec)	1.427*	1.551*	1.800	1.986*	2.234*	2.544*
(Three Phase) Volt Drop	mV/A/m	25.08	15.36	9.56	6.38	3.79	2.39

When ordering please quote: primary + size + finish code
e.g. F4CC 3915 111

* Earth fault rating limited by symmetrical fault rating



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PVC
FRPVC SWA / ECC FRPVC
LHPVC SWA / ECC LHPVC

F4CC...
...121
...222

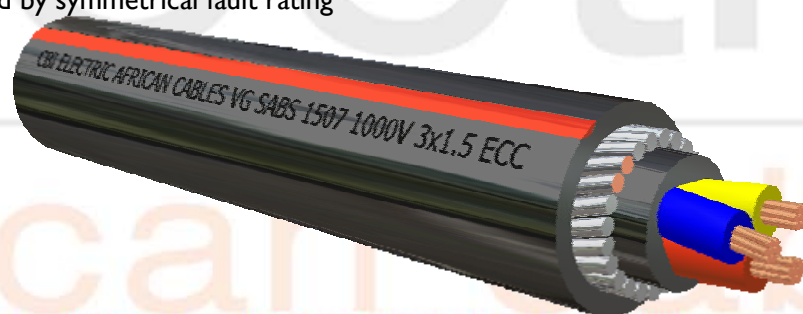
Primary group code
Finish code

Copper 3 Core
600/1000V
SANS 1507

Size code	...naaa...	3915	3925	3004	3006	3010	3016
Conductor size	mm ² nom	1.5	2.5	4	6	10	16
Conductor diameter	mm app.	1.7	2.2	2.5	3.0	4.0	5.0
Insulation diameter	mm app.	3.5	4.0	5.0	5.5	6.0	7.0
Bedding diameter	mm app.	9.0	10.0	11.5	13.0	14.5	16.5
Armour diameter	mm app.	11.0	12.5	14.0	15.0	17.0	19.0
Cable diameter	mm app.	14.0	15.5	17.0	18.5	20.5	22.5
Cable mass	kg/m app.	0.42	0.48	0.59	0.71	0.88	1.15
Gross mass (500 m)	kg app.	230	259	337	389	499	625
Bending radius	mm min.	140	150	170	180	200	225
Current rating							
In ground	Amps	23	31	40	51	68	88
In ducts	Amps	20	26	34	43	58	75
In air	Amps	20	26	36	45	62	82
Resistance							
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15
ac @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38
Reactance	Ω/km	0.107	0.100	0.101	0.096	0.091	0.087
Capacitance	μF/km	0.315	0.375	0.376	0.440	0.532	0.639
Impedance	Ω/km	14.478	8.867	5.517	3.687	2.192	1.379
Zero Sequence							
Resistance	Ω/km	20.578	15.453	10.884	8.308	6.248	4.166
Reactance	Ω/km	0.166	0.153	0.145	0.135	0.124	0.114
Short circuit ratings							
Symmetrical	kA (1sec)	0.19	0.32	0.51	0.76	1.27	2.03
Earth fault	kA (1sec)	1.46*	1.57*	1.96*	2.24*	2.57*	3.28*
(Three Phase)Volt Drop	mV/A/M	25.077	15.358	9.556	6.386	3.797	2.388

When ordering please quote: primary + size + finish code
e.g. F4CC 3925 121

* Earth fault rating limited by symmetrical fault rating



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PVC
 FRPVC (red stripe)
 LHPVC (blue stripe)

F4CC... Primary group code
 ...001 Finish code
 ...002

Copper 3 Core
 600/1000V
 SANS 1507

Size code	...naaa...	3915	3925	3004	3006	3010	3016
Conductor size	mm ² nom	1.5	2.5	4	6	10	16
Conductor diameter	mm app.	1.7	2.2	2.5	3.0	4.0	5.0
Insulation diameter	mm app.	3.5	4.0	5.0	5.5	6.0	7.0
Cable diameter	mm app.	10.5	11.0	13	14.5	16.5	18.5
Cable mass	kg/m app.	0.16	0.2	0.29	0.38	0.53	0.74
Gross mass (500 m)	kg app.	95	114	162	204	288	385
Bending radius	mm min.	84	92	104	116	132	148
Current rating							
In ducts	Amps	20	26	34	43	58	75
In air	Amps	20	26	36	45	62	82
Resistance							
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15
ac @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38
Reactance	Ω/km	0.110	0.103	0.103	0.097	0.091	0.087
Capacitance	μF/km	0.315	0.375	0.376	0.440	0.532	0.639
Impedance	Ω/km	14.478	8.867	5.517	3.686	2.191	1.379
Short circuit ratings							
Symmetrical	kA (1sec)	0.2	0.3	0.5	0.8	1.3	2.0
(Three Phase) Volt Drop	mV/A/m	25.08	15.36	9.56	6.38	3.79	2.39

Last updated May 2006

When ordering please quote: primary + size + finish code
 e.g. F4CC 3925 001



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