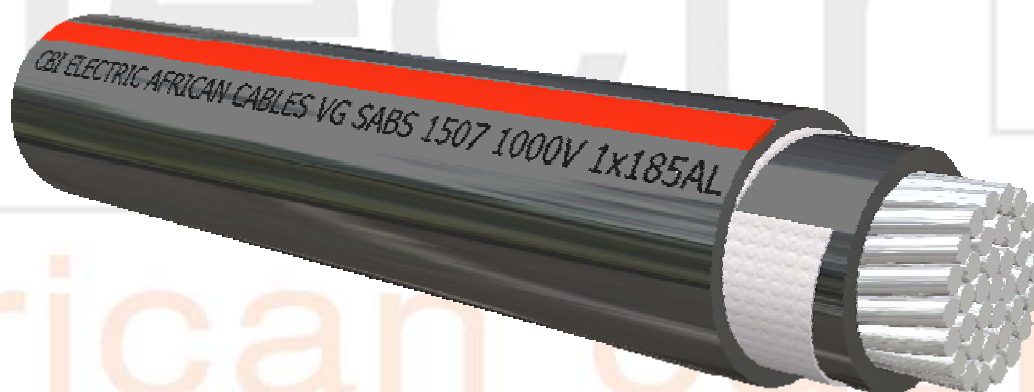


PVC	F4CA...	Primary group code	Aluminium I Core
FRPVC (red stripe)	...001	Finish code	600/1000V
LHPVC (blue stripe)	...002		SANS 1507

Size code	...naaa...	1050	1070	4095	4120	1150	1185	1240	1300
Conductor size	mm ² nom	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	8.5	10.0	12.0	14.0	14.5	16.0	18.5	20.5
Insulation diameter	mm app.	11.5	13.0	15.0	17.0	18.0	20.0	23.0	26.0
Cable diameter	mm app.	15	16.5	19	21	22	24	27	30
Cable mass	kg/m app.	0.3	0.4	0.5	0.6	0.7	0.8	1.1	1.3
Gross mass (500 m)	kg app.	180	219	307	355	409	485	640	760
Bending radius	mm min.	230	260	300	340	360	400	460	520
Current rating	(in trefoil)								
In ground	Amps	139	169	204	232	259	294	340	382
In air	Amps	125	165	200	230	265	310	380	435
Resistance									
dc @ 20°C	Ω/km max	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
ac @ 70°C	Ω/km max	0.771	0.533	0.385	0.305	0.249	0.199	0.152	0.123
Reactance	Ω/km	0.084	0.076	0.076	0.077	0.075	0.073	0.074	0.073
Impedance	mH/km	0.775	0.538	0.393	0.314	0.260	0.212	0.169	0.143
Short circuit ratings									
Symmetrical	kA (1sec)	3.9	5.6	7.7	9.7	12.0	15.0	19.7	24.7
(Three Phase) Volt Drop	mV/A/m	1.34	0.93	0.68	0.54	0.45	0.37	0.29	0.25
(Single Phase) Volt Drop	mV/A/m	1.55	1.08	0.79	0.63	0.52	0.42	0.34	0.29

Last updated May 2006

When ordering please quote: primary + size + finish code
 e.g. F4CA 1150 001



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