

# Low Voltage PVC Control Cables

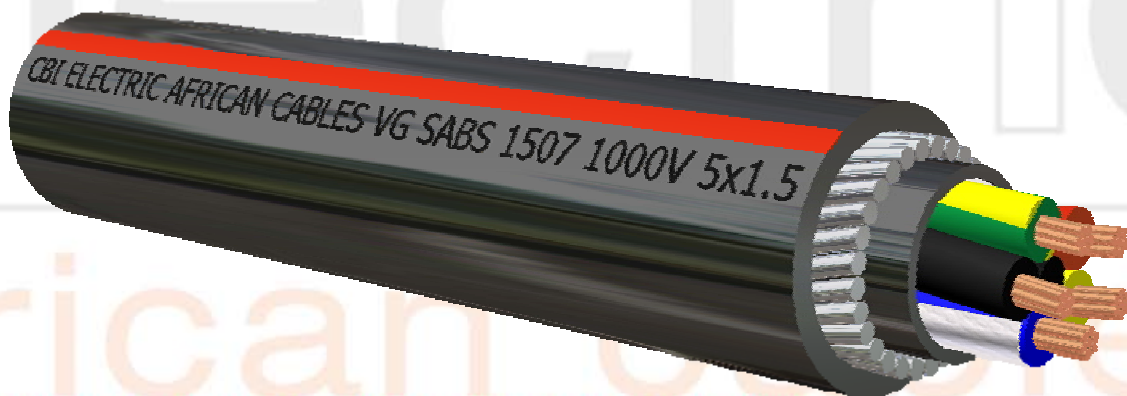
PVC	F4CC... Primary group code	Copper 5 Core
FRPVC SWA FRPVC (red stripe)	...111 Finish code	600/1000V
LHPVC SWA LHPVC (blue stripe)	...212	SANS 1507

Size code	...naaa...	5915	5925	5004	5006	5010	5016	5025	5035
Conductor size	mm <sup>2</sup> nom	1.5	2.5	4	6	10	16	25	35
Conductor diameter	mm app.	1.6	2	2.5	3	4	5	6	7.5
Insulation diameter	mm app.	3.5	4	4.5	5.5	6	7	9	10
Bedding diameter	mm app.	10.5	12	14.5	16	19	21.5	26.5	29.5
Armour diameter	mm app.	13	14.5	17	18.5	21.5	24	29.5	33.5
Cable diameter	mm app.	16	17.5	20	21.5	25	27.5	33	37.5
Cable mass	kg/km app.	0.55	0.67	0.86	1.05	1.45	1.85	2.8	3.8
Gross mass ( 500 m )	kg app.	305	363	470	565	765	965	1485	1995
Bending radius	mm min.	160	175	200	215	250	275	330	375
Resistance									
dc @ 20°C	Ω/km max	12.1	7.41	4.61	3.08	1.83	1.15	0.727	0.524
ac @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38	0.87	0.627
Reactance									
	Ω/km	0.11	0.103	0.103	0.097	0.091	0.087	0.086	0.083
Impedance									
	Ω/km	14.48	8.867	5.517	3.687	2.192	1.379	0.874	0.633
(Three Phase) Volt Drop	mV/A/m	25.08	15.36	9.56	6.39	3.8	2.39	1.51	1.1

When ordering please quote: primary + size + finish code  
e.g. F4CC 5915 111

Last updated May 2006

\* Earth fault rating limited by symmetrical fault rating



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