

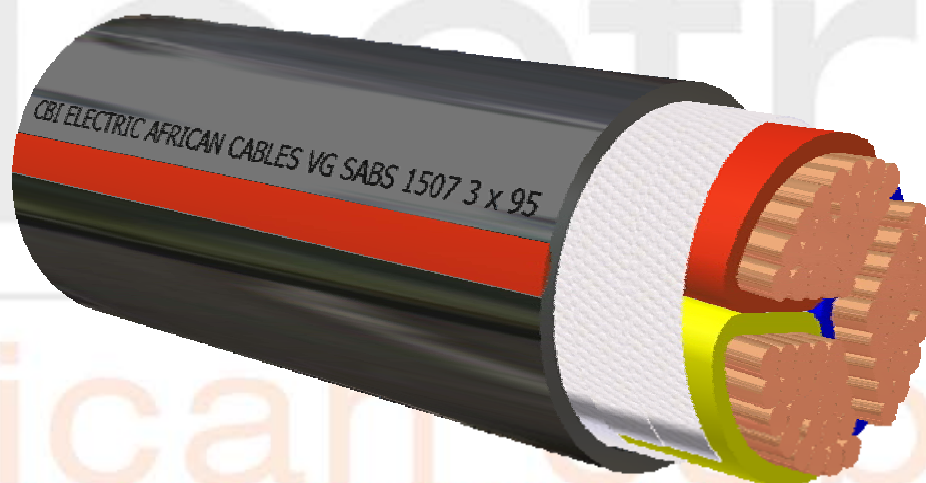
XLPE                      F2CC...    Primary group code  
FRPVC (red stripe)    ...001    Finish code  
LHPVC (blue stripe)    ...002

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

Last updated May 2006

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



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

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