

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

F2DC Primary group code
...111 Finish code
...212

Copper 3 Core
1900/3300V
SANS 1507

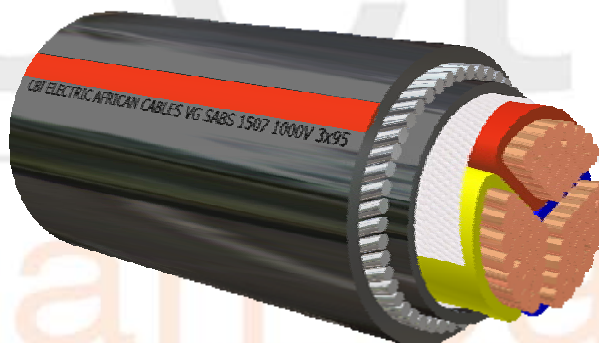
Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150	3185	3240	3300	3400
Conductor size	mm ² nom	*25	*35	50	70	95	120	150	185	240	300	400
Conductor diameter	mm app.	6.0	7.5	7.0	8.5	10.0	11.0	12.0	14.0	15.5	17.5	20.0
Insulation diameter	mm app.	10.5	11.5	11.0	12.5	14.0	15.0	16.5	18.0	20.0	22.0	24.0
Bedding diameter	mm app.	25.0	27.5	26.0	29.5	32.5	35.0	38.0	41.5	46.0	50.0	55.0
Armour diameter	mm app.	28.0	30.5	29.0	33.5	36.5	39.0	42.0	46.5	51.0	55.0	60.0
Cable diameter	mm app.	32	34.5	33	37.5	41	43.5	46.5	52	56	60.5	65.5
Cable mass	kg/m app.	2.0	2.4	2.6	3.6	4.5	5.4	6.3	8.0	10.0	11.9	14.4
Gross mass (300 m)	kg app.	676	797	872	1180	1482	1739	2043	2552	3277	3837	4593
Bending radius	mm min.	320	345	330	375	410	435	465	520	560	605	655
Current rating												
In ground	Amps	135	165	195	235	285	320	360	405	465	530	605
In air	Amps	145	170	205	255	315	365	415	490	560	640	730
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	0.047
ac @ 90°C	Ω/km max	0.927	0.669	0.494	0.343	0.247	0.196	0.160	0.128	0.100	0.082	0.067
Reactance	Ω/km	0.098	0.094	0.079	0.074	0.068	0.068	0.065	0.063	0.062	0.060	0.059
Impedance	Ω/km	0.933	0.675	0.502	0.353	0.260	0.212	0.178	0.150	0.124	0.109	0.097
Zero Sequence												
Resistance	Ω/km	4.863	4.336	4.354	3.096	2.732	2.546	2.326	1.692	1.523	1.410	1.272
Reactance	Ω/km	0.079	0.076	0.078	0.071	0.069	0.068	0.067	0.063	0.062	0.061	0.061
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	52.7
Earth fault	kA (1sec)	4.3	4.7	4.5	6.3	7.1	7.5	8.1	11.2	12.4	13.3	14.6
(Three Phase)Volt Drop	mV/A/m	1.61	1.17	0.87	0.61	0.45	0.36	0.30	0.25	0.20	0.18	0.15

Last updated May 2006

*Circular conductors

When ordering please quote: primary + size + finish code

e.g. F2DC 3120 111



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