

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

F4DC... Primary group code  
...111 Finish code  
...212

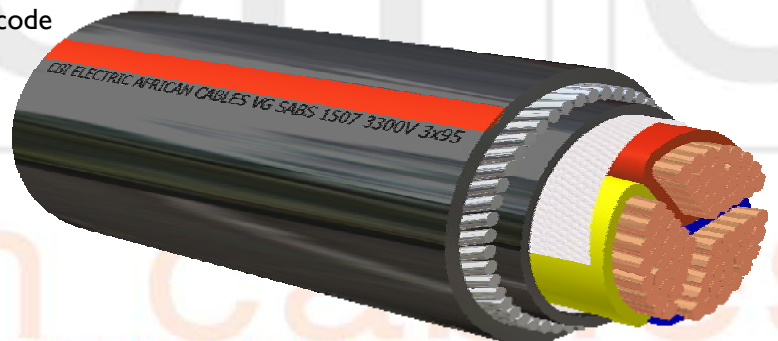
Copper 3 Core  
1900/3300V  
SANS 1507

Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150	3185	3240	3300
Conductor size	mm <sup>2</sup> nom	25*	35*	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	6.1	7.5	7.0	8.5	10.0	11.0	12.5	14.0	16.0	18.0
Insulation diameter	mm app.	11.0	12.0	11.5	13.0	14.5	15.5	17.0	18.5	20.5	22.5
Bedding diameter	mm app.	26.0	28.5	27.0	30.5	33.5	36.0	39.5	42.5	47.0	52.0
Armour diameter	mm app.	29.0	32.5	30.0	34.5	37.5	40.0	44.5	47.5	52.0	57.0
Cable diameter	mm app.	33.0	37.0	34.0	38.5	42.0	44.5	49.5	52.5	58.0	63.0
Cable mass	kg/m app.	2.10	2.80	2.85	3.90	4.85	5.70	7.10	8.35	10.30	12.50
Gross mass ( 500 m )	kg app.	1210	1560	1085	2110	2585	3010	3710	4485	5625	6725
Bending radius	mm min.	330	370	340	385	420	445	495	525	580	630
Current rating											
In ground	Amps	110	130	160	195	235	265	295	340	385	430
In air	Amps	100	125	155	190	230	275	310	355	420	475
Resistance											
dc @ 20°C	Ω/km max	0.73	0.52	0.39	0.27	0.19	0.15	0.12	0.10	0.08	0.06
ac @ 70°C	Ω/km max	0.87	0.63	0.46	0.32	0.23	0.19	0.15	0.12	0.09	0.08
Reactance											
Impedance	Ω/km	0.100	0.096	0.081	0.075	0.070	0.068	0.067	0.065	0.063	0.062
Zero Sequence											
Resistance	Ω/km	4.777	3.417	4.275	2.973	2.681	2.457	1.818	1.660	1.497	1.365
Reactance	Ω/km	0.082	0.076	0.081	0.074	0.072	0.070	0.066	0.065	0.064	0.065
Short circuit ratings											
Symmetrical	kA (1sec)	3.2	4.5	6.0	8.7	12.1	15.2	18.8	23.5	30.9	38.3
Earth fault	kA (1sec)	4.9	6.8	5.1	7.3	7.9	8.6	11.6	12.6	13.9	15.1
(Three Phase) Volt Drop	mV/A/m	1.52	1.10	0.82	0.57	0.42	0.34	0.29	0.24	0.20	0.17

Last updated May

\*Circular Conductors

When ordering please quote: primary + size + finish code  
e.g. F4DC 3035 111



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