

Only for use in applications protected from solar radiation.

XLPE F6CC Primary group code

ZEROTOX SWA ZEROTOX (white stripe) ...313 Finish code

Copper 4 Core

600/1000V

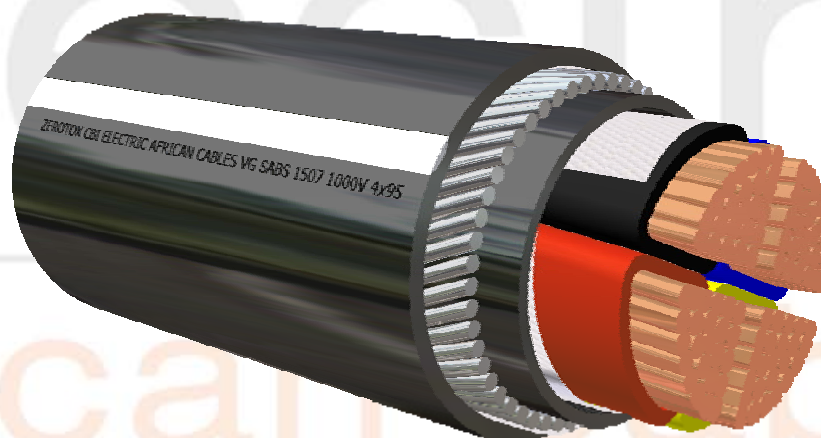
SANS 1507

Size code	...naaa...	4025	4035	4050	4070	4095	4120	4120	4185	4240	4300
Conductor size	mm ² nom	25	35	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	6.0	7.0	8.0	9.5	11.5	12.5	14.0	15.5	18.0	20.0
Insulation diameter	mm app.	7.5	8.5	10.0	12.0	13.5	15.0	17.0	19.0	21.5	24.0
Bedding diameter	mm app.	20.0	22.5	25.5	30.0	34.0	37.5	42.5	47.0	53.0	58.5
Armour diameter	mm app.	23.5	25.5	28.5	34.0	38.0	41.5	47.5	52.0	58.0	63.5
Cable diameter	mm app.	27.5	30.0	33.0	39.0	43.0	47.0	53.0	58.5	64.5	70.5
Cable mass	kg/m app.	2.0	2.5	3.1	4.4	5.6	6.7	8.6	10.3	12.9	15.6
Gross mass (300 m)	kg app.	683	846	1048	1484	1971	2101	2890	3631	4411	5700
Bending radius	mm min.	413	450	495	585	645	705	795	878	968	1058
Current rating											
In ground	Amps	120	145	170	210	260	295	325	360	420	475
In ducts	Amps	99	120	140	175	210	240	265	305	350	395
In air	Amps	115	140	170	215	260	305	340	390	465	520
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
ac @ 70°C	Ω/km max	0.870	0.628	0.464	0.322	0.233	0.185	0.151	0.122	0.094	0.077
Reactance	Ω/km	0.075	0.073	0.073	0.069	0.066	0.066	0.066	0.066	0.066	0.066
Impedance	Ω/km	0.873	0.632	0.470	0.329	0.242	0.196	0.165	0.139	0.115	0.101
Short circuit ratings											
Symmetrical	kA (1sec)	3.6	5.0	6.8	9.9	13.8	17.4	21.4	26.8	35.3	44.3
Earth fault	kA (1sec)	3.6	4.0	4.5	6.7	7.4	8.3	11.6	13.0	14.6	16.1
(Three Phase) Volt Drop	mV/A/m	1.51	1.10	0.81	0.57	0.42	0.34	0.29	0.24	0.20	0.18

Last updated May 2006

When ordering please quote: primary + size + finish code

e.g. F6CC 4025 313



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CBi Electric African Cables

PO Box 172, Vereeniging 1930 • Tel: +27 16 430 6000 • Fax: +27 16 423 6103

www.cbi-electric.com • afcab@cbi-electric.com

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