

PVC
FRPVC SWA / ECC FRPVC
LHPVC SWA / ECC LHPVC

F4CC...
...121
...222

Primary group code
Finish code

Copper 3 Core
600/1000V
SANS 1507

Size code	...naaa...	3915	3925	3004	3006	3010	3016
Conductor size	mm ² nom	1.5	2.5	4	6	10	16
Conductor diameter	mm app.	1.7	2.2	2.5	3.0	4.0	5.0
Insulation diameter	mm app.	3.5	4.0	5.0	5.5	6.0	7.0
Bedding diameter	mm app.	9.0	10.0	11.5	13.0	14.5	16.5
Armour diameter	mm app.	11.0	12.5	14.0	15.0	17.0	19.0
Cable diameter	mm app.	14.0	15.5	17.0	18.5	20.5	22.5
Cable mass	kg/m app.	0.42	0.48	0.59	0.71	0.88	1.15
Gross mass (500 m)	kg app.	230	259	337	389	499	625
Bending radius	mm min.	140	150	170	180	200	225
Current rating							
In ground	Amps	23	31	40	51	68	88
In ducts	Amps	20	26	34	43	58	75
In air	Amps	20	26	36	45	62	82
Resistance							
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15
ac @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38
Reactance							
Reactance	Ω/km	0.107	0.100	0.101	0.096	0.091	0.087
Capacitance							
Capacitance	μF/km	0.315	0.375	0.376	0.440	0.532	0.639
Impedance							
Impedance	Ω/km	14.478	8.867	5.517	3.687	2.192	1.379
Zero Sequence							
Resistance	Ω/km	20.578	15.453	10.884	8.308	6.248	4.166
Reactance	Ω/km	0.166	0.153	0.145	0.135	0.124	0.114
Short circuit ratings							
Symmetrical	kA (1sec)	0.19	0.32	0.51	0.76	1.27	2.03
Earth fault	kA (1sec)	1.46*	1.57*	1.96*	2.24*	2.57*	3.28*
(Three Phase)Volt Drop	mV/A/M	25.077	15.358	9.556	6.386	3.797	2.388

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F4CC 3925 121

* Earth fault rating limited by symmetrical fault rating



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

A member of the REUNERT Group

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

