

PVC
 FR PVC (red stripe)
 LH PVC (blue stripe)

F4CC... Primary group code
 ...001 Finish code
 ...002

Copper I Core
 600/1000 V
 SANS 1507

Size code	...naaa...	1025	1035	1050	1070	1095	1120	1150	1185	1240	1300
Conductor size	mm ² nom	25	35	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	6.0	7.0	8.5	10.0	12.0	13.5	15.0	16.5	19.0	21.5
Insulation diameter	mm app.	8.5	10.0	11.0	13.0	15.0	16.5	18.5	20.5	23.5	26.0
Cable diameter	mm app.	12.0	13.0	15.0	17.0	19.0	20.0	22.0	25.0	27.5	30.5
Cable mass	kg/m app.	0.4	0.5	0.6	0.8	1.1	1.4	1.6	2.0	2.6	3.2
Gross mass (500 m)	kg app.	200	260	355	475	625	755	915	1125	1440	1795
Bending radius	mm min.	96	104	120	136	152	160	176	200	220	244
Current rating	(trefoil)										
In ground	Amps	119	143	169	210	251	285	320	361	416	465
In ducts	Amps	96	116	138	171	205	234	263	298	344	385
In air	Amps	109	133	162	205	252	291	334	383	451	514
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	0.627	0.464	0.322	0.232	0.185	0.151	0.121	0.094	0.076
Reactance	Ω/km	0.086	0.840	0.084	0.078	0.077	0.075	0.075	0.075	0.075	0.074
Capacitance	μF/km	1.348	1.530	1.528	1.793	1.846	2.030	2.003	1.990	2.040	2.102
Impedance	Ω/km	0.874	0.633	0.471	0.331	0.245	0.2	0.168	0.143	0.12	0.107
Short circuit ratings											
Symmetrical	kA (1sec)	3.21	4.45	6.02	8.70	12.08	15.24	18.80	23.52	30.92	38.79
(Three Phase) Volt Drop	mV/A/m	1.51	1.10	0.82	0.57	0.42	0.35	0.29	0.25	0.21	0.19

Last updated May 2006

When ordering please quote: primary + size + finish code
 e.g. F4CC 1120 001



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

