

PILC/PILAC
FRPVC (red stripe)
LHPVC (blue stripe)

FIJC... Primary group code
...32001 Table + Finish code
...32002

Copper I Core
1900/3300V
Table I2
SANS 97

Size code	...naaa...	I 150	I 185	I 240	I 300	I 400	I 500	I 630	I 800	I 999
Conductor size	mm ² nom	150	185	240	300	400	500	630	800	1000
Conductor diameter	mm app.	14.7	16.5	18.8	21.2	23.9	27.4	30.3	34.2	38.9
Insulated diameter	mm app.	29.7	31.5	33.8	36.2	38.9	42.4	45.3	49.2	54.0
Diameter over lead sheath	mm app.	35.5	37.5	40.0	42.5	45.0	49.0	52.0	56.5	61.5
Overall diameter	mm app.	39.0	40.5	43.5	46.0	49.5	53.0	56.5	61.0	66.0
Normal drum length	m	500	500	500	500	500	500	500	500	500
Cable mass	kg/m app.	4.6	5.1	6.0	6.9	8.1	9.7	11.6	13.9	16.7
Gross mass (drum length)	kg app.	2800	3050	3500	3950	4550	5350	6300	7450	8850
Bending radius	mm min.	975	1013	1088	1150	1238	1325	1413	1525	1650
Current rating										
In ground	Amps	315	360	415	470	530	595	665	730	855
In ducts	Amps	290	330	380	425	480	540	600	655	760
In air	Amps	370	420	500	570	660	760	865	975	1170
Positive sequence										
Resistance dc @ 20°C	Ω/km max	0.1240	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221	0.0176
ac @ 70°C	Ω/km max	0.149	0.120	0.0916	0.0737	0.0586	0.0469	0.0379	0.0314	0.0225
Reactance	Ω/km	0.125	0.120	0.116	0.109	0.106	0.102	0.099	0.096	0.093
Impedance	Ω/km	0.194	0.170	0.148	0.132	0.121	0.112	0.106	0.101	0.096
Zero sequence										
Resistance	Ω/km	1.344	1.251	1.092	1.013	0.890	0.775	0.688	0.605	0.526
Reactance	Ω/km	0.072	0.068	0.064	0.058	0.054	0.051	0.048	0.045	0.042
Impedance	Ω/km	1.346	1.253	1.094	1.015	0.891	0.776	0.689	0.606	0.528
Short circuit ratings										
Symmetrical	kA (1sec)	21.5	26.9	35.3	44.3	56.7	72.8	94.1	121	151
Earth fault(Symmetrical limit)	kA (1sec)	5.3	5.5	6.3	6.7	7.5	8.6	9.6	10.9	12.4

Last updated May 2006

When ordering please quote: primary + size + table + finish code
e.g. FIJC I500 32 001



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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

