

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

FIHC... Primary group code
...31001 Table + Finish code
...31002

Copper I Core
12700/22000V
Table II
SANS 97

Size code	...naaa...	1150	1185	1240	1300	1400	1500	1630	1800	1999
Conductor size	mm ² nom	150	185	240	300	400	500	630	800	1000
Conductor diameter	mm nom	14.7	16.5	18.8	21.2	23.9	27.4	30.3	34.2	38.9
Insulated diameter	mm nom	27.7	29.5	31.8	34.2	36.9	40.4	43.3	47.2	52.0
Diameter over lead sheath	mm nom	33.5	35.0	37.5	40.5	43.0	46.5	50.0	54.0	59.0
Overall diameter	mm nom	36.5	38.5	41.0	44.0	47.0	51.0	54.5	59.0	64.0
Normal drum length	m	500	500	500	500	500	500	500	500	500
Cable mass	kg/m app.	4.1	4.7	5.6	6.5	7.7	9.2	11.0	13.3	16.3
Gross mass (drum length)	kg app.	2550	2850	3300	3750	4350	5100	6000	7150	8650
Bending radius	mm min.	913	963	1025	1100	1175	1275	1363	1475	1600
Current rating										
In ground	Amps	320	360	420	470	535	605	670	740	865
In ducts	Amps	290	330	380	430	485	545	605	665	770
In air	Amps	370	425	500	580	670	770	875	985	1185
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	0.092	0.074	0.059	0.047	0.038	0.032	0.023
Reactance	Ω/km	0.121	0.116	0.112	0.106	0.103	0.100	0.097	0.094	0.091
Impedance at 70°C	Ω/km	0.192	0.167	0.145	0.129	0.118	0.110	0.104	0.099	0.094
Zero sequence										
Resistance	Ω/km	1.504	1.399	1.214	1.063	0.930	0.850	0.751	0.657	0.544
Reactance	Ω/km	0.068	0.064	0.061	0.054	0.051	0.048	0.045	0.043	0.040
Impedance	Ω/km	1.506	1.400	1.216	1.064	0.932	0.851	0.752	0.658	0.546
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)	4.6	4.9	5.6	6.3	7.2	7.8	8.8	10.0	12.0

Last updated May 2006

When ordering please quote: primary + size + table + finish code
e.g. FIHC 1500 31 001



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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

