

Aluminium I Core  
 I9000/33000V  
 Table I2  
 SANS 97

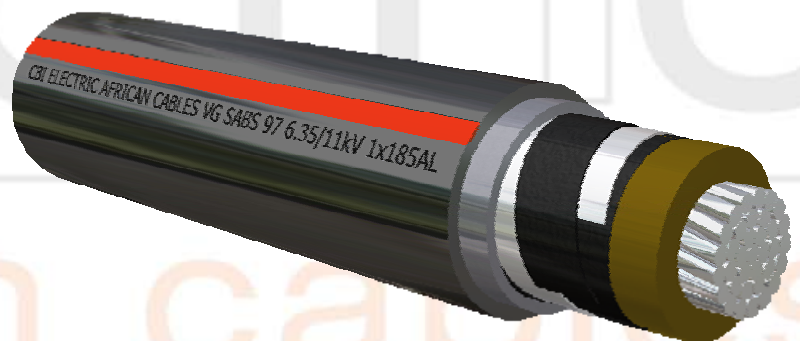
PILC/PILAC  
 FRPVC (red stripe)  
 LHPVC (blue stripe)

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

Size code	...naaa...	I150	I185	I240	I300	I400	I500	I630	I800	I999
Conductor size	mm <sup>2</sup> nom	150	185	240	300	400	500	630	800	1000
Conductor depth	Mm app.	14.4	15.9	18.4	20.5	23.1	26.4	29.7	34.2	38.9
Insulated depth	mm app.	29.4	30.9	33.4	35.5	38.1	41.4	44.8	49.2	54.0
Diameter over lead sheath	mm app.	35.0	36.5	39.5	41.5	44.5	48.0	51.5	56.5	61.5
Overall diameter	mm app.	38.5	40.0	43.0	45.5	48.5	52.0	56.0	61.0	66.0
Normal drum length	m	500	500	500	500	500	500	500	500	500
Cable mass	kg/m app.	3.7	3.9	4.5	5.0	5.7	6.6	7.6	9.0	10.5
Gross mass (drum length)	kg app.	2350	2450	2750	3000	3350	3800	4300	5000	5750
Bending radius	mm min.	963	1000	1075	1138	1213	1300	1400	1525	1650
Current rating										
In ground	Amps	245	280	325	365	415	475	540	605	700
In ducts	Amps	225	255	295	330	380	430	485	540	620
In air	Amps	285	325	385	445	515	600	700	805	950
Positive sequence										
Resistance dc @ 20°C	Ω/km max	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0367	0.029
ac @ 70°C	Ω/km max	0.248	0.198	0.151	0.121	0.0949	0.0747	0.0590	0.0474	0.036
Reactance	Ω/km	0.125	0.122	0.117	0.111	0.107	0.103	0.099	0.096	0.093
Impedance	Ω/km	0.278	0.232	0.191	0.164	0.143	0.127	0.116	0.107	0.100
Zero sequence										
Resistance	Ω/km	1.452	1.350	1.163	1.079	0.943	0.819	0.717	0.621	0.540
Reactance	Ω/km	0.073	0.069	0.065	0.059	0.055	0.052	0.048	0.045	0.042
Impedance	Ω/km	1.453	1.352	1.165	1.080	0.945	0.821	0.719	0.623	0.542
Short circuit ratings										
Symmetrical	kA (Isec)	13.7	17.2	22.5	28.2	36.2	46.5	60.0	76.7	96.8
Earth fault(Symmetrical limit)	kA (Isec)	5.2	5.4	6.2	6.5	7.4	8.4	9.5	10.9	12.4

Last updated May 2006

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



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