

PILAC
FRPVC AWA FRPVC (red stripe)
LHPVC AWA LHPVC (blue stripe)

FIEC...
...29141
...29242

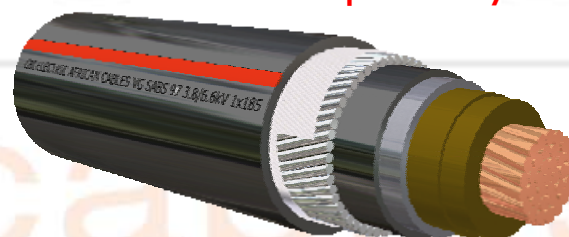
Primary group code
Table + Finish code

Copper I Core
3800/6600V
Table 9
SANS 97

Size code	...naaa...	1150	1185	1240	1300	1400	1500	1630
Conductor size	mm ² nom	150	185	240	300	400	500	630
Conductor diameter	mm nom	14.7	16.5	18.8	21.2	23.9	27.4	30.3
Insulated diameter	mm nom	20.9	22.8	25.0	27.5	30.2	33.6	37.0
Diameter over lead sheath	mm nom	24.5	26.0	28.5	31.5	34.0	37.5	41.0
Bedding diameter	mm nom	27.0	29.0	31.5	34.0	37.5	41.0	44.0
Size of armour wires	mm	2.00	2.00	2.00	2.00	2.50	2.50	2.50
Overall diameter	mm nom	35.0	37.0	39.5	42.0	47.0	51.0	54.0
Normal drum length	m	500	500	500	500	500	500	500
Cable mass	kg/m app.	3.7	4.2	5.1	6.0	7.4	8.8	10.7
Gross mass (drum length)	kg app.	2350	2600	3050	3500	4200	4900	5850
Bending radius	mm min.	700	740	790	840	940	1020	1080
Current rating								
In ground	Amps	340	380	430	475	510	560	605
In ducts	Amps	310	345	390	430	460	505	540
In air	Amps	400	455	530	600	660	740	820
Positive sequence								
Resistance dc @ 20°C	Ω/km max	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
ac @ 80°C	Ω/km max	0.154	0.1235	0.0946	0.0761	0.0605	0.0483	0.0391
Reactance	Ω/km	0.118	0.114	0.110	0.104	0.103	0.099	0.096
Impedance at 80°C	Ω/km	0.194	0.168	0.145	0.129	0.120	0.111	0.104
Zero sequence								
Resistance	Ω/km	0.353	0.310	0.265	0.233	0.175	0.153	0.135
Reactance	Ω/km	0.047	0.045	0.043	0.038	0.036	0.034	0.032
Impedance	Ω/km							1.009
Short circuit ratings								
Symmetrical	kA (1sec)	20.7	25.9	34.1	42.8	54.7	70.2	90.8
Earth fault(Symmetrical limit)	kA (1sec)	16.2	17.3	19.0	20.9	28.0	30.5	33.2

Last updated May 2006

When ordering please quote: primary + size + table + finish code
e.g. FIEC 1500 29 141



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

CBI Electric African Cables

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