

PILC
 FRPVC DTA FRPVC (red stripe)
 LHPVC DTA LHPVC (blue stripe)

FIJA...
 ...21191
 ...21292

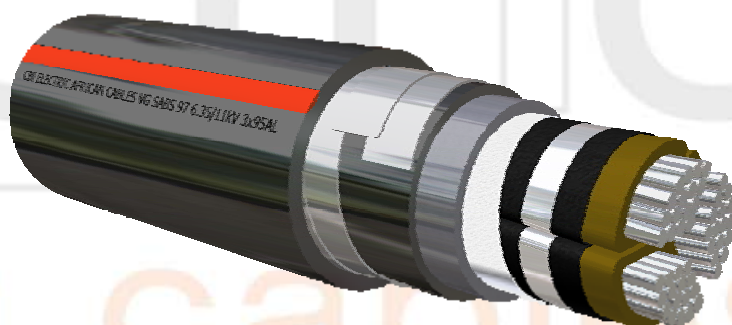
Primary group code
 Table + Finish code

Aluminium 3 Core
 19000/33000V
 Table 21
 SANS 97

Size code	...naaa...	3095	3120	3150	3185	3240	3300
Conductor size	mm ² nom	95	120	150	185	240	300
Conductor diameter	mm app.	11.6	13.6	14.4	15.9	18.4	20.5
Insulated diameter	mm app.	26.6	28.6	29.4	30.9	33.4	35.5
Diameter over lead sheath	mm app.	65.0	69.0	71.5	74.5	80.5	85.5
Bedding diameter	mm app.	68.5	73.0	75.5	78.5	84.5	90.0
Size of armour wires	mm	0.8	0.8	0.8	0.8	0.8	0.8
Overall diameter	mm app.	78.5	83.5	86.0	90.0	95.5	101.5
Normal drum length	m	300	300	300	300	300	300
Cable mass	kg/m app.	11.9	13.2	14.2	15.6	17.6	19.9
Gross mass (drum length)	kg app.	4070	4460	4760	5180	5780	6470
Bending radius	mm min.	1178	1253	1290	1350	1433	1523
Current rating							
In ground	Amps	180	205	230	260	300	335
In ducts	Amps	155	175	195	220	255	285
In air	Amps	200	230	255	290	340	390
Positive sequence							
Resistance dc @ 20°C	Ω/km max	0.320	0.253	0.206	0.164	0.125	0.100
ac @ 70°C	Ω/km max	0.385	0.304	0.248	0.198	0.151	0.121
Reactance	Ω/km	0.115	0.112	0.107	0.103	0.099	0.095
Impedance at	Ω/km	0.401	0.324	0.270	0.223	0.181	0.154
Zero sequence							
Resistance	Ω/km	1.812	1.583	1.440	1.292	1.129	0.978
Reactance	Ω/km	0.118	0.114	0.112	0.109	0.105	0.102
Impedance	Ω/km	1.816	1.588	1.445	1.296	1.134	0.983
Short circuit ratings							
Symmetrical	kA (1sec)	8.8	11.1	13.7	17.2	22.5	28.2
Earth fault(Symmetrical limit)	kA (1sec)	12.1(8.8)	13.5(11.1)	14.5(13.7)	15.9	17.8	20.3

Last updated May 2006

When ordering please quote: primary + size + table + finish code
 e.g. FIJA 3120 21 191



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

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