

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

FIFA... Primary group code
...17111 Table + Finish code
...17212

Aluminium 3 Core
6350/11000V
Table 17
SANS 97

Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150	3185	3240	3300
Conductor size	mm ² nom	25*	35*	50*	70	95	120	150	185	240	300
Conductor depth	mm app.	5.9	7	8.3	8.3	9.8	11	12.2	13.7	15.7	17.6
Insulated depth	mm app.	12.2	13.2	14.6	14.6	16	17.2	18.4	19.9	21.9	23.9
Diameter over lead sheath	mm app.	32	34	37	36.5	40	42.5	45.5	49	53	57.5
Bedding diameter	mm app.	34.5	37	40.5	39.5	43	46	49	52.5	56.5	61.5
Size of armour wires	mm	2	2.5	2.5	2.5	2.5	2.5	3.15	3.15	3.15	3.15
Overall diameter	mm app.	43	46.5	50	50	53.5	57	61.5	65	69.5	74.5
Normal drum length	m	500	500	300	300	300	300	300	300	300	300
Cable mass	kg/m app.	4.7	5.6	6.2	6.5	7.4	8.3	10	11.2	12.5	14.3
Gross mass (drum length)	kg app.	2750	3200	2045	2135	2620	2890	3400	3760	4150	4860
Bending radius	mm min.	516	558	600	600	642	684	738	780	834	894
Current rating											
In ground	Amps	83	100	120	150	180	205	230	260	300	340
In ducts	Amps	70	85	100	125	150	170	195	220	255	290
In air	Amps	83	100	120	155	190	220	250	285	340	390
Positive sequence											
Resistance dc @ 20°C	W/km max	1.2	0.868	0.641	0.443	0.32	0.253	0.206	0.164	0.125	0.1
ac @ 70°C	W/km max	1.442	1.043	0.77	0.533	0.385	0.305	0.248	0.198	0.152	0.122
Reactance	W/km	0.111	0.106	0.101	0.082	0.077	0.075	0.073	0.07	0.068	0.066
Impedance	W/km	1.446	1.048	0.777	0.539	0.393	0.314	0.259	0.21	0.166	0.138
Zero sequence											
Resistance	W/km	3.086	2.359	1.98	1.736	1.474	1.302	1.033	0.92	0.819	0.679
Reactance	W/km	0.128	0.121	0.115	0.117	0.112	0.108	0.105	0.102	0.098	0.094
Impedance	W/km	3.089	2.362	1.983	1.74	1.478	1.306	1.038	0.926	0.825	0.685
Short circuit ratings											
Symmetrical	kA (1sec)	2.3	3.2	4.4	6.4	8.8	11.1	13.7	17.2	22.5	28.2
Earth fault (Symmetrical limit)	kA (1sec)	12.4	15.7	17	17.1	18.8	20.5	26.2	28.4	30.7	33.7

Last updated May 2006

* Circular Conductor
When ordering please quote: primary + size + table + finish code
e.g. FIFA 3120 17 111



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