

XLPE	F2CC...	Primary group code	Copper 2 Core
FRPVC SWA FRPVC (red stripe)	...111	Finish code	600/1000V
LHPVC SWA LHPVC (blue stripe)	...212		SANS 1507

Size code	...naaa...	2915	2925	2004	2006	2010	2016	2025	2035	2050
Conductor size	mm ² nom	1.5	2.5	4	6	10	16	*25	*35	*50
Conductor diameter	mm app.	1.6	2.0	2.5	3.0	4.0	5.0	4.0	5.0	5.5
Insulation diameter	mm app.	3.0	3.5	4.0	4.5	5.5	6.5	6.0	7.0	7.5
Bedding diameter	mm app.	8.0	9.0	10.0	11.0	12.5	14.5	14.0	15.5	17.0
Armour diameter	mm app.	10.5	11.5	12.5	13.5	15.0	17.0	17.0	18.5	20.5
Cable diameter	mm app.	13.5	14.5	15.5	16.5	18.5	20.0	20.0	22.0	24.0
Cable mass	kg/m app.	0.43	0.48	0.56	0.65	0.82	1.03	1.11	1.34	1.64
Gross mass (500 m)	kg app.	226	256	302	347	441	551	579	690	880
Bending radius	mm min.	135	145	155	165	185	200	210	220	240
Current rating										
In ground	Amps	36	46	61	76	100	130	145	180	223
In air	Amps	30	40	53	68	92	120	131	160	195
Resistance										
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15	0.73	0.52	0.39
ac @ 90°C	Ω/km max	15.43	9.45	5.88	3.93	2.33	1.47	0.93	0.67	0.49
Reactance	Ω/km	0.106	0.099	0.093	0.089	0.084	0.081	0.059	0.057	0.056
Impedance	Ω/km	14.478	8.867	5.517	3.687	2.912	1.379	0.873	0.631	0.426
Zero sequence										
Resistance	Ω/km	22.06	16.50	12.36	10.05	8.17	6.66	5.53	4.99	4.31
Reactance	Ω/km	0.18	0.16	0.15	0.14	0.13	0.12	0.06	0.06	0.06
Short circuit ratings										
Symmetrical	kA (1sec)	0.2	0.3	0.5	0.8	1.4	2.2	3.2	4.4	6.4
Earth fault	kA (1sec)	1.2	1.3	1.4	1.5	1.7	2.0	2.4	2.5	3.0
(Single Phase) Volt Drop	mV/A/m	30.86	18.90	11.76	7.86	4.67	2.94	1.86	1.34	1.00

Last updated May 2006

*D Shaped Conductors.

When ordering please quote: primary + size + finish code

e.g. F2CC 2925 111



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