

PVC F4CC... Primary group code
 FRPVC SWA FRPVC (red stripe) ...111 Finish code
 LHPVC SWA LHPVC (blue stripe) ...212

Copper 2 Core
 600/1000V
 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.	1.7	2.2	2.5	3.0	4.0	5.0	4.0	5.0	5.5
Insulation diameter	mm app.	3.5	4.0	5.0	5.5	6.0	7.0	6.5	7.5	8.5
Bedding diameter	mm app.	8.5	9.0	11.0	12.0	13.5	15.5	15	16.5	20
Armour diameter	mm app.	11.0	12.0	13.5	14.5	16.0	18.0	18.5	19.5	23
Cable diameter	mm app.	14.0	15.0	16.5	17.5	19.5	21.5	21.5	23	26.5
Cable mass	kg/km app.	0.40	0.45	0.57	0.70	0.83	1.03	1.22	1.46	1.89
Gross mass (500 m)	kg app.	256	293	375	433	557	698	671	788	1007
Bending radius	mm min.	140	150	160	180	190	210	215	230	265
Current rating										
In ground	Amps	23	31	40	51	68	88	140	170	200
In ducts	Amps	20	26	34	43	58	75	115	140	165
In air	Amps	20	26	36	45	62	82	130	155	190
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 @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38	0.87	0.63	0.46
Reactance	Ω/km	0.107	0.100	0.101	0.096	0.091	0.087	0.065	0.061	0.061
Capacitance	Ω/km	0.334	0.319	0.386	0.450	0.542	0.649	0.918	1.048	1.046
Impedance	Ω/km	14.478	8.867	5.517	3.687	2.192	1.379	0.873	0.631	0.468
Zero Sequence										
Resistance	Ω/km	26.362	20.483	15.816	13.539	11.058	9.195	7.430	6.795	5.641
Reactance	Ω/km	0.175	0.160	0.152	0.141	0.129	0.119	0.069	0.068	0.071
Short circuit ratings										
Symmetrical	kA (1sec)	0.193	0.315	0.507	0.757	1.274	2.027	3.21	4.45	6.02
Earth fault	kA (1sec)	1.365	1.489	1.738	1.862	2.110	2.420	3.3	3.5	4.2
(Single Phase) Volt Drop	mV/A/m	28.96	17.73	11.03	7.37	4.38	2.76	1.75	1.26	0.94

Last updated May 2006

*D Shaped Conductors.

When ordering please quote: primary + size + finish code

e.g. F4CC 2925 111



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