

PVC	F4CA...	Primary group code	Aluminium I Core
FRPVC (red stripe)	...001	Finish code	600/1000V
LHPVC (blue stripe)	...002		SANS 1507

Size code	...naaa...	1400	1500	1630	1800	1999
Conductor size	mm <sup>2</sup> nom	400	500	630	800	1000
Conductor diameter	mm app.	23.5	26.5	30.0	34.5	39.0
Insulation diameter	mm app.	28.5	32.5	35.5	40.0	45.0
Cable diameter	mm app.	32.5	37.0	40.0	44.5	50.5
Cable mass	kg/m app.	1.6	2.0	2.5	3.2	4.0
Gross mass ( 500 m )	kg app.	960	1165	1540	2040	2290
Bending radius	mm min.	260	296	320	356	404
Current rating	(trefoil)					
In ground	Amps	437	498	559	634	709
In ducts	Amps	377	421	461	511	556
In air	Amps	507	590	680	776	907
Resistance						
dc @ 20°C	Ω/km max	0.078	0.061	0.047	0.037	0.029
ac @ 70°C	Ω/km max	0.097	0.077	0.062	0.045	0.036
Reactance	Ω/km	0.072	0.071	0.071	0.071	0.070
Impedance	Ω/km	0.121	0.105	0.094	0.084	0.079
Short circuit ratings						
Symmetrical	kA (1sec)	22.5	29.0	37.4	47.8	60.2
(Three Phase) Volt Drop	mV/A/m	0.21	0.18	0.16	0.15	0.14
(Single Phase) Volt Drop	mV/A/m	0.24	0.21	0.19	0.17	0.16

Last updated May 2006

When ordering please quote: primary + size + finish code  
 e.g. F4CA 1120 001



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