

PVC  
 FR PVC SWA FR PVC (red stripe)  
 LH PVC SWA LH PVC (blue stripe)

F4CC... Primary group code  
 ...111 Finish code  
 ...212

Copper 3 Core  
 600/1000 V  
 SANS 1507

Size code	...naaa...	3915	3925	3004	3006	3010	3016
Conductor size	mm <sup>2</sup> nom	1.5	2.5	4	6	10	16
Conductor diameter	mm app.	1.7	2.2	2.5	3.0	4.0	5.0
Insulation diameter	mm app.	3.5	4.0	5.0	5.5	6.0	7.0
Bedding diameter	mm app.	9.0	10.0	11.5	13.0	14.5	16.5
Armour diameter	mm app.	11.0	12.5	14.0	15.0	17.0	19.0
Cable diameter	mm app.	14.0	15.5	17.0	18.5	20.5	22.5
Cable mass	kg/m app.	0.45	0.50	0.61	0.72	0.90	1.15
Gross mass ( 500 m )	kg app.	255	280	345	400	510	635
Bending radius	mm min.	140	150	170	180	200	225
Current rating							
In ground	Amps	23	31	40	51	68	88
In ducts	Amps	20	26	34	43	58	75
In air	Amps	20	26	36	45	62	82
Resistance							
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15
ac @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38
Reactance	Ω/km	0.107	0.103	0.103	0.097	0.091	0.087
Capacitance	μF/km	0.334	0.398	0.386	0.450	0.542	0.649
Impedance	Ω/km	14.478	8.867	5.517	3.687	2.192	1.379
Zero Sequence							
Resistance	Ω/km	25.74	19.96	15.43	12.89	10.55	8.81
Reactance	Ω/km	0.166	0.153	0.145	0.135	0.124	0.114
Short circuit ratings							
Symmetrical	kA (1sec)	0.193	0.315	0.507	0.757	1.274	2.027
Earth fault	kA (1sec)	1.427*	1.551*	1.800	1.986*	2.234*	2.544*
(Three Phase) Volt Drop	mV/A/m	25.08	15.36	9.56	6.38	3.79	2.39

Last updated May 2006

When ordering please quote: primary + size + finish code  
 e.g. F4CC 3915 111

\* Earth fault rating limited by symmetrical fault rating



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