

PVC F4CC... Primary group code
 FRPVC AWA FRPVC (red stripe) ...141 Finish code
 LHPVC AWA LHPVC (blue stripe) ...242

Copper I Core
 600/1000V
 SANS 1507

Size code	...naaa...	1400	1500	1630	1800	1999
Conductor size	mm ² nom	400	500	630	800	1000
Conductor diameter	mm app.	24.0	27.5	30.5	34.5	39.0
Insulation diameter	mm app.	29.5	33.5	36.5	40.5	45.5
Bedding diameter	mm app.	32.5	36.0	40.0	44.0	48.5
Armour diameter	mm app.	36.5	40.0	45.0	49.0	53.5
Cable diameter	mm app.	41.5	46.0	50.0	54.5	60.0
Cable mass	kg/m app.	5.4	6.6	8.5	10.1	12.6
Gross mass (500 m)	kg app.	2560	3215	4140	4990	6090
Bending radius	mm min.	415	460	500	540	600
Current rating	(trefoil)					
In ground	Amps	540	595	650	680	720
In duct	Amps	440	470	510	530	560
In air	Amps	657	730	809	880	950
Resistance						
dc @ 20°C	Ω/km max	0.0470	0.0370	0.0280	0.0220	0.0180
ac @ 70°C	Ω/km max	0.0620	0.0510	0.0420	0.0280	0.0230
Reactance	Ω/km	0.073	0.073	0.072	0.071	0.069
Capacitance	μF/km	2.233	2.350	2.585	2.880	3.032
Impedance	Ω/km	0.096	0.089	0.083	0.076	0.073
Zero Sequence						
Resistance	Ω/km	0.407	0.326	0.258	0.203	0.163
Reactance	Ω/km	0.288	0.281	0.270	0.259	0.254
Short circuit ratings						
Symmetrical	kA (1sec)	49.6	63.7	82.4	105.5	132.5
Earth fault	kA (1sec)	15.52	17.1	23.8	25.74	28.7
(Three Phase) Volt Drop	mV/A/m	0.17	0.15	0.14	0.13	0.13
(Single Phase) Volt Drop	mV/A/m	0.19	0.18	0.17	0.15	0.15

Last updated May 2006

When ordering please quote: primary + size + finish code
 e.g. F4CC 1400 141



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