

PVC  
FRPVC AWA FRPVC (red stripe)  
LHPVC AWA LHPVC (blue stripe)

F4CC... Primary group code  
...141 Finish code  
...242

Copper I Core  
600/1000V  
SANS 1507

Size code	...naaa...	1050	1070	1095	1120	1150	1185	1240	1300
Conductor size	mm <sup>2</sup> nom	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	8.5	10.0	12.0	13.5	15.0	16.5	19.0	21.5
Insulation diameter	mm app.	11.5	13.0	15.0	16.5	18.5	21.0	23.5	26.5
Bedding diameter	mm app.	13.0	14.5	18.0	19.0	21.0	23.0	26.0	29.0
Armour diameter	mm app.	16.0	18.0	21.0	22.5	24.0	26.5	29.0	33.0
Cable diameter	mm app.	20.5	22.0	25.0	26.5	28.5	31.0	33.5	38.0
Cable mass	kg/m app.	1.0	1.3	1.7	2.0	2.3	2.8	3.4	4.4
Gross mass ( 500 m )	kg app.	514	642	851	987	1163	1393	1712	2210
Bending radius	mm min.	205	220	250	265	285	310	335	380
Current rating	(trefoil)								
In ground	Amps	203	248	297	337	376	423	485	542
In duct	Amps	171	208	249	283	316	355	407	455
In air	Amps	181	231	280	324	373	425	501	567
Resistance									
dc @ 20°C	Ω/km max	0.387	0.268	0.193	0.153	0.124	0.099	0.075	0.060
ac @ 70°C	Ω/km max	0.464	0.322	0.232	0.185	0.151	0.121	0.094	0.076
Reactance	Ω/km	0.084	0.078	0.077	0.075	0.075	0.075	0.075	0.074
Capacitance	μF/km	1.528	1.793	1.846	2.030	2.003	1.990	2.040	2.102
Impedance	Ω/km	0.471	0.331	0.245	0.200	0.168	0.143	0.120	0.107
Zero Sequence									
Resistance	Ω/km	3.255	2.325	1.713	1.356	1.085	0.880	0.678	0.543
Reactance	Ω/km	0.388	0.333	0.320	0.305	0.307	0.305	0.301	0.297
Short circuit ratings									
Symmetrical	kA (1sec)	6.0	8.7	12.1	15.2	18.8	23.5	30.9	38.8
Earth fault	kA (1sec)	4.5	5.1	6.1	6.5	7.2	8.0	8.7	12.4
(Three Phase) Volt Drop	mV/A/m	0.82	0.57	0.42	0.35	0.29	0.25	0.21	0.19
(Single Phase) Volt Drop	mV/A/m	0.94	0.66	0.49	0.40	0.34	0.29	0.24	0.21

Last updated May 2006

When ordering please quote: primary + size + finish code  
e.g. F4CC 1050 141



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

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