

PVC	F4CA...	Primary group code	Aluminium I Core
FR PVC AWA FR PVC (red stripe)	...141	Finish code	600/1000 V
LH PVC AWA LH PVC (blue stripe)	...242		SANS 1507

Size code	...naaa...	1400	1500	1630	1800	1999
Conductor size	mm ² 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
Bedding diameter	mm app.	31.5	35.0	39.0	43.5	48.5
Armour diameter	mm app.	35.5	39.0	44.0	48.5	53.5
Cable diameter	mm app.	41.0	44.5	49.5	54.0	59.5
Cable mass	kg/m app.	2.5	3.0	3.8	4.5	5.4
Gross mass (500 m)	kg app.	1410	1670	2200	2550	3000
Bending radius	mm min.	410	445	495	540	595
Current rating	(trefoil)					
In ground	Amps	428	479	528	584	632
In ducts	Amps	370	405	435	471	495
In air	Amps	497	568	642	715	808
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
Zero Sequence						
Resistance	Ω/km	0.407	0.326	0.258	0.203	0.163
Reactance	Ω/km	0.269	0.262	0.261	0.259	0.254
Short circuit ratings						
Symmetrical	kA (1sec)	22.5	29.0	37.4	47.8	60.2
Earth fault	kA (1sec)	13.5	15.2	21.1	23.3	26.0
(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 1400 141



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