

XLPE
FRPVC (red stripe)
LHPVC (blue stripe)

F2CA... Primary group code
...001 Finish code
...002

Aluminium 3 Core
600/1000V
SANS 1507

Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150	3185	3240	3300
Conductor size	mm ² nom	25	35	50	70	95	120	150	185	240	300
Conductor diameter	mm app.	5.0	6.0	7.0	8.5	10.0	11.0	12.5	14.0	16.0	18.0
Insulation diameter	mm app.	7.0	8.0	9.0	11.0	12.5	13.5	15.5	17.0	19.5	21.5
Cable diameter	mm app.	19	20.5	23	27.5	30.5	33.5	37.5	41.5	46.5	51.5
Cable mass meter	kg/m app.	0.42	0.52	0.66	0.93	1.19	1.45	1.79	2.20	2.81	3.46
Gross mass (300 m)	kg app.	152	183	225	318	396	491	596	719	903	1097
Bending radius	mm min.	152	164	184	220	244	268	300	332	372	412
Current rating											
In air	Amps	88	105	125	155	185	215	240	275	320	360
In ducts	Amps	100	125	150	190	235	270	310	360	425	490
Resistance											
dc @ 20°C	Ω/km max	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
ac @ 90°C	Ω/km max	1.539	1.113	0.822	0.569	0.411	0.326	0.266	0.212	0.163	0.132
Reactance											
Impedance	Ω/km	0.070	0.070	0.069	0.065	0.062	0.061	0.063	0.064	0.062	0.062
Short circuit ratings											
Symmetrical	kA (1sec)	2.2	3.0	4.1	5.9	8.2	10.3	12.7	16.0	20.9	26.2
(Three Phase) Volt Drop	mV/A/m	2.67	1.93	1.43	0.99	0.72	0.57	0.47	0.38	0.30	0.25

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F2CA 3025 001



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