

Only for use in applications protected from solar radiation.

XLPE F6CC... Primary group code  
ZEROTOX SWA ZEROTOX (white stripe) 313 Finish code

Copper 3 Core  
600/1000V  
SANS 1507

Size code	...naaa...	3025	3035	3050	3070	3095	3120	3150	3185	3240	3300	3400
Conductor size	mm <sup>2</sup> nom	25	35	50	70	95	120	150	185	240	300	400
Conductor diameter	mm app.	5.0	6.0	7.0	8.5	10.0	11.0	12.5	14.0	16.0	18.0	20.0
Insulation diameter	mm app.	7.0	8.0	9.0	11.0	12.0	13.5	15.0	17.0	19.5	21.5	24.0
Bedding diameter	mm app.	17.0	19.0	21.5	25.0	28.5	31.5	35.0	39.5	44.0	48.9	55.0
Armour diameter	mm app.	20.5	22.0	24.5	28.0	32.5	35.5	40.0	44.5	49.0	54.0	60.0
Cable diameter	mm app.	24.5	26.5	29.0	33.0	39.5	40.5	45.5	50.5	55.5	60.5	66.5
Cable mass	kg/m app.	1.5	1.9	2.3	3.1	4.4	5.1	6.4	7.8	9.7	11.8	14.6
Gross mass ( 300 m )	kg app.	547	662	819	1091	1621	1820	2279	2885	3471	4585	5420
Bending radius	mm min.	368	398	435	495	593	608	683	758	833	908	998
Current rating												
In ground	Amps	120	145	170	210	260	295	325	360	420	475	475
In ducts	Amps	99	120	140	175	210	240	265	305	350	395	395
In air	Amps	115	140	170	215	260	305	340	390	465	520	520
Resistance												
dc @ 20°C	Ω/km max	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.099	0.075	0.060	0.047
ac @ 70°C	Ω/km max	0.927	0.669	0.494	0.343	0.248	0.197	0.161	0.130	0.101	0.082	0.067
Reactance	Ω/km	0.069	0.067	0.067	0.063	0.060	0.060	0.060	0.060	0.060	0.059	0.059
Impedance	Ω/km	0.930	0.672	0.499	0.349	0.190	0.206	0.172	0.143	0.191	0.101	0.089
Zero Sequence												
Resistance	Ω/km	6.618	5.924	5.247	4.494	3.086	2.800	2.020	1.793	1.578	1.433	1.272
Reactance	Ω/km	0.058	0.057	0.059	0.060	0.056	0.058	0.057	0.059	0.059	0.060	0.061
Short circuit ratings												
Symmetrical	kA (1sec)	3.66	5.08	6.88	9.94	13.81	17.41	21.49	26.89	35.34	44.33	56.69
Earth fault	kA (1sec)	2.81	3.07	3.41	3.92	5.72	6.26	8.73	9.77	11.02	12.06	13.52
(Three Phase)Volt Drop	mV/A/m	1.61	1.16	0.86	0.60	0.33	0.36	0.30	0.25	0.33	0.17	0.15

Last updated May 2006

When ordering please quote: primary + size + finish code  
e.g. F6CC 3025 313



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