

Only for use in applications protected from solar radiation.

XLPE	F6CC...	Primary group code	Copper 5 Core
ZEROTOX SWA ZEROTOX (white stripe)	...313	Finish code	600/1000V SANS 1507

Size code	...naaa...	5915	5925	5004	5006	5010	5016
Conductor size	mm <sup>2</sup> nom	1.5	2.5	4	6	10	16
Conductor diameter	mm app.	1.6	2.0	2.5	3.1	3.9	5.0
Insulation diameter	mm app.	3.0	3.5	4.0	4.5	5.5	6.5
Bedding diameter	mm app.	10.0	11.5	12.5	14.0	16.0	19.5
Armour diameter	mm app.	12.5	14.0	15.0	16.5	18.5	22.0
Cable diameter	mm app.	15.5	17	18	20.0	22.0	25.5
Cable mass	kg/m app.	0.49	0.60	0.71	0.89	1.18	1.66
Gross mass ( 500 m )	kg app.	275	330	396	485	650	890
Bending radius	mm min.	233	255	270	300	330	383
<b>Current rating</b>							
In ground	Amps	25	33	43	55	74	94
In duct	Amps	20	27	36	44	60	76
In air	Amps	21	27	37	48	66	88
<b>Resistance</b>							
dc @ 20°C	Ω/km max	12.10	7.41	4.61	3.08	1.83	1.15
ac @ 70°C	Ω/km max	14.48	8.87	5.52	3.69	2.19	1.38
<b>Reactance</b>							
Impedance	Ω/km	0.104	0.097	0.092	0.088	0.084	0.081
<b>Zero Sequence Resistance</b>							
Zero Sequence Reactance	Ω/km	24.650	18.229	14.731	12.045	9.674	7.687
<b>Short circuit ratings</b>							
Symmetrical	kA (1sec)	0.22	0.36	0.58	0.87	1.46	2.32
Earth fault	kA (1sec)	1.50*	1.74*	1.86*	2.10*	2.40*	2.88*
(Three Phase) Volt Drop	mV/A/M	25.08	15.36	9.56	6.38	3.80	2.39

Last updated May 2006

When ordering please quote: primary + size + finish code

e.g. F6CC 5915 313

\* Earth fault rating limited by symmetrical fault rating



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