

Only for use in applications protected from solar radiation.

XLPE F6CC... Primary group code
ZEROTOX AWA ZEROTOX (white stripe) ...343 Finish code

Copper I Core
600/1000V
SANS 1507

Size code	...naaa...	1400	1500	1630	1800	1999
Conductor size	mm ² nom	400	500	630	800	1000
Conductor diameter	mm app.	24.0	27.5	30.5	34.5	39.0
Insulation diameter	mm app.	28.0	32.0	35.5	40.0	45.0
Bedding diameter	mm app.	31.5	35.5	39.5	44.0	49.0
Armour diameter	mm app.	35.5	39.5	44.5	49.0	54.0
Cable diameter	mm app.	41.0	44.5	50.0	54.5	60.0
Cable mass	kg/m app.	4.6	5.7	7.4	9.2	11.3
Gross mass (500 m)	kg app.	2458	3014	3991	4891	5941
Bending radius	mm min.	615	668	750	818	900
Current rating (trefoil)						
In ground	Amps	540	595	650	680	720
In duct	Amps	440	470	510	530	560
In air	Amps	657	731	809	886	945
Resistance						
dc @ 20°C	Ω/km max	0.047	0.037	0.028	0.022	0.018
ac @ 70°C	Ω/km max	0.062	0.051	0.042	0.028	0.023
Reactance	Ω/km	0.071	0.070	0.070	0.070	0.069
Impedance	Ω/km	0.094	0.087	0.083	0.076	0.074
Short circuit ratings						
Symmetrical	kA (1sec)	56.6	72.8	94.1	120.5	151.2
Earth fault	kA (1sec)	11.8	13.3	18.4	20.4	22.7
(Three Phase) Volt Drop	mV/A/m	0.16	0.15	0.14	0.13	0.13
(Single Phase) Volt Drop	mV/A/m	0.19	0.17	0.16	0.15	0.15

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F6CC 1400 343



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