

Only for use in applications protected from solar radiation.

XLPE F6CA... Primary group code
 ZEROTOX AWA ZEROTOX (white stripe) ...343 Finish code

Aluminium I Core
 600/1000 V
 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	40.0
Insulation diameter	mm app.	27.5	31.0	35.0	40.0	45.0
Bedding diameter	mm app.	30.5	34.5	38.0	44.0	49.0
Armour diameter	mm app.	34.5	38.5	42.0	49.0	54.0
Cable diameter	mm app.	39.5	43.5	48.0	54.5	60.0
Cable mass	kg/m app.	2.2	2.7	3.3	4.2	5.1
Gross mass (500 m)	kg app.	1259	1506	1923	2396	2832
Bending radius	mm min.	593	653	720	818	900
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	0.078	0.062	0.045	0.036
Reactance	Ω/km	0.069	0.068	0.069	0.069	0.069
Impedance	Ω/km	0.119	0.103	0.093	0.082	0.079
Short circuit ratings						
Symmetrical	kA (1sec)	36.1	46.5	60.0	76.7	96.7
Earth fault	kA (1sec)	11.5	12.8	14.3	20.4	22.7
(Three Phase) Volt Drop	mV/A/m	0.21	0.18	0.16	0.14	0.13
(Single Phase) Volt Drop	mV/A/m	0.24	0.21	0.19	0.16	0.16

Last updated May 2006

When ordering please quote: primary + size + finish code
 e.g. F6CA 1400 343



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