

XLPE
SANS Steel Catenary Type B

F7JA.... Primary group code
...SGB Finish code

Aluminium 3 Core + Catenary
19000/33000V
Type B
SANS 1713

Size code	...naaa...	3050	3070	3095	3120	3150	3185
Conductor size	mm ² nom	50	70	95	120	150	185
Conductor diameter	mm app.	8.5	10.0	12.0	13.5	14.5	16.0
Insulation diameter	mm app.	26.2	27.6	29.5	31.4	32.3	33.8
Core diameter (PVC sheath)	mm app.	32.9	34.3	36.4	38.3	39.4	40.9
Assembled diameter	mm app.	77.24	80.04	84.26	89.94	92.06	94.96
Cable mass	kg/m app.	3.91	4.27	4.78	5.42	5.81	6.30
Gross mass (500 m)	kg app.	2609	2804	3061	3922	4118	4363
Bending radius	mm min.	1159	1201	1264	1349	1381	1424
Current rating	Amps	188	232	283	325	367	420
Resistance							
dc @ 20°C	Ω/km max	0.641	0.443	0.320	0.253	0.206	0.164
ac @ 90°C	Ω/km max	0.822	0.568	0.411	0.325	0.265	0.211
Reactance	Ω/km	0.153	0.143	0.134	0.128	0.126	0.122
Impedance	Ω/km	0.836	0.586	0.432	0.349	0.293	0.244
Short circuit ratings							
Symmetrical	kA (1sec)	4.0	5.8	8.0	10.2	12.5	15.7
Earth fault	kA (1sec)	2.4	2.5	2.7	2.9	2.9	3.1
Finish code		...SGB	...SGB	...SGB	...SHB	...SHB	...SHB
Steel Carrier size		50	50	50	70	70	70
Design load (UTS/2.5)	kN max	24.6	24.6	24.6	34.9	34.9	34.9
Conductor diameter	mm app.	9.0	9.0	9.0	10.8	10.8	10.8
Core diameter(PVC sheath)	mm app.	11.5	11.5	11.5	13.5	13.5	13.5

Last updated May 2006

When ordering please quote: primary + size + finish code
e.g. F2JA 3095 SGB



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