

XLPE  
SANS Steel Catenary Type B

F7HA..... Primary group code  
...SGB Finish code

Aluminium 3 Core + Catenary  
12700/2200V  
Type B  
SANS 1713

Size code	...naaa...	3035	3050	3070	3095	3120	3150	3185
Conductor size	mm <sup>2</sup> nom	35	50	70	95	120	150	185
Conductor diameter	mm app.	7.0	8.5	10.0	12.0	13.5	14.5	16.0
Insulation diameter	mm app.	19.7	21.1	22.5	24.4	26.3	27.2	28.6
Core diameter (PVC sheath)	mm app.	26.0	27.4	29.0	30.9	33.0	33.9	35.5
Assembled diameter	mm app.	63.5	66.2	69.4	73.2	79.3	81.0	84.3
Cable mass	kg/m app.	2.75	3.00	3.37	3.78	4.42	4.74	5.24
Gross mass (500 m )	kg app.	1698	2072	2255	2544	2881	3039	3291
Bending radius	mm min.	952	993	1041	1098	1189	1215	1265
Current rating	Amps	152	183	228	277	320	362	415
Resistance								
dc @ 20°C	Ω/km max	0.868	0.641	0.443	0.320	0.253	0.206	0.164
ac @ 90°C	Ω/km max	1.113	0.822	0.568	0.411	0.325	0.265	0.211
Reactance	Ω/km	0.149	0.141	0.132	0.124	0.118	0.116	0.113
Impedance	Ω/km	1.123	0.834	0.583	0.429	0.346	0.289	0.239
Short circuit ratings								
Symmetrical	kA (1sec)	3.0	4.0	5.8	8.0	10.2	12.5	15.7
Earth fault	kA (1sec)	1.9	2.0	2.1	2.3	2.4	2.5	2.6
Finish code		....SGB	....SGB	....SGB	....SGB	....SHB	....SHB	....SHB
Steel Carrier size		50	50	50	50	70	70	70
Design load (UTS/2.5)	kN max	24.6	24.6	24.6	24.6	34.9	34.9	34.9
Conductor diameter	mm app.	9.0	9.0	9.0	9.0	10.8	10.8	10.8
Core diameter(PVC sheath)	mm app.	11.5	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. F2HA 3095 SGB



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