

**Description:** 2 x AL XLPE + AL ALLOY XLPE Insulated Support F7CA 2nnn ZZ SD0 0K0S (54,6 support)

F7CA 2nnn ZZ SE0 0K0S (70 support)

**Specification:** SANS 1418, 600/1000V

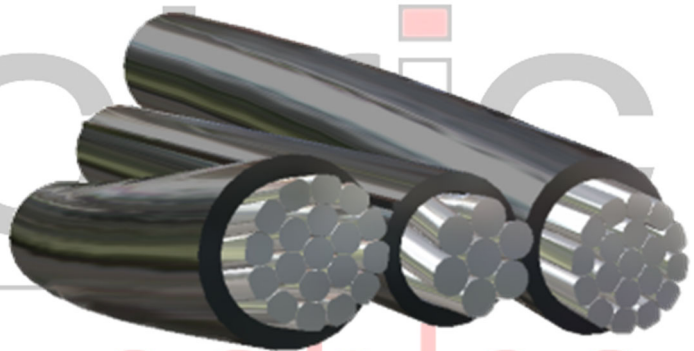
*Last updated: February 2026*

Size code	...2nnn...	2016	2025	2035	2050	2070	2095	2120	2150
<b>PHYSICAL</b>									
Conductor size	mm <sup>2</sup>	16	25	35	50	70	95	120	150
Conductor diameter	mm	5,0	6,2	7,0	8,2	9,8	11,6	13,5	14,4
Core diameter	mm	7,5	9,2	10,3	11,5	13,6	15,4	17,3	18,2
Assembled diameter	mm	28,5	31,5	34,0	36,0	40,5	44,0	48,0	49,5
Support core size	mm <sup>2</sup>	54,6	54,6	54,6	54,6	54,6	54,6	70	70
Cable mass	Kg/m	0,33	0,40	0,47	0,54	0,69	0,84	0,99	1,14
Gross mass (500m)	kg	262	296	331	390	461	516	815	890
Design Load (UTS/2,5)	kN max	6,6	6,6	6,6	6,6	6,6	6,6	8,0	8,0
<b>ELECTRICAL</b>									
DC Resistance @ 20°C	Ω/km	1,91	1,200	0,868	0,641	0,443	0,320	0,253	0,206
AC Resistance @ 90°C	Ω/km	2,372	1,539	1,113	0,822	0,568	0,411	0,325	0,265
Reactance	Ω/km	0,091	0,090	0,090	0,084	0,083	0,080	0,078	0,077
Impedance	Ω/km	2,374	1,541	1,117	0,826	0,574	0,419	0,334	0,276
<b>CURRENT RATING</b>									
in air in shade	Amps	87	111	138	168	213	258	300	339
<b>SHORT CIRCUIT RATINGS</b>									
Short Circuit rating	kA(1s)	1,5	2,4	3,3	4,7	6,6	9,0	11,3	14,2
(Single Phase) Volt Drop	mV/A/m	4,75	3,08	2,23	1,65	1,15	0,84	0,67	0,55

Rating above are based on standard installation conditions as follows: Installation in accordance with SANS 10198-14

Wind  
Air temperature  
5% tolerance on dimensions

Still Air  
35 °C



african cables

DISCLAIMER: CBI reserves the right to change product specifications from time to time to effect improvements and /or enhancements and accepts no liability arising from any difference between the published parameters of this data sheet and the finished product, unless by prior written agreement

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