

Description: 3 x AL XLPE + AL ALLOY XLPE Insulated Support F7CA 3nnn ZZ SD0 0K0S (54,6 support)

F7CA 3nnn ZZ SE0 0K0S (70 support)

Specification: SANS 1418, 600/1000V

Last updated: February 2026

Size code	...1nnn ...	3025	3035	3050	3070	3095	3120	3150
<b>PHYSICAL</b>								
Conductor size	mm <sup>2</sup>	25	35	50	70	95	120	150
Conductor diameter	mm	6,2	7,0	8,2	9,8	11,6	13,5	14,4
Core diameter	mm	9,2	10,3	11,5	13,6	15,4	17,3	18,2
Assembled diameter	mm	33,0	35,5	38,0	42,5	46,5	50,5	52,5
Support core size	mm <sup>2</sup>	54,6	54,6	54,6	54,6	54,6	70	70
Cable mass	Kg/m	0,50	0,61	0,72	0,93	1,16	1,44	1,66
Gross mass (500m)	kg	346	399	476	583	676	1040	1150
Design Load (UTS/2,5)	kN max	6,6	6,6	6,6	6,6	6,6	8,0	8,0
<b>ELECTRICAL</b>								
DC Resistance @ 20°C	Ω/km	1,200	0,868	0,641	0,443	0,320	0,253	0,206
AC Resistance @ 90°C	Ω/km	1,539	1,113	0,822	0,568	0,411	0,325	0,265
Reactance	Ω/km	0,090	0,090	0,084	0,083	0,080	0,078	0,077
Impedance	Ω/km	1,541	1,117	0,826	0,574	0,419	0,334	0,276
<b>CURRENT RATING</b>								
in air in shade	Amps	111	138	168	213	258	300	339
<b>SHORT CIRCUIT RATINGS</b>								
Short Circuit rating	kA(1s)	2,4	3,3	4,7	6,6	9,0	11,3	14,2
(Three Phase) Volt Drop	mV/A/m	2,67	1,93	1,43	0,99	0,73	0,58	0,48

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



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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CBI-electric: african cables | a division of ATC (Pty) Ltd | Registration No, 1955/003773/07  
PO Box 172, Vereeniging 1930 | Steel Road, Peacehaven, Vereeniging, 1939, South Africa  
Tel: +27 16 430 6000 | www.cbi-electric.com | Member of the REUNERT Group | B-BBEE Level 1  
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