

Description: 1 x AL XLPE + AL XLPE Insulated Neutral (Self-Support)

F7CA 2nnn ZZ SA0 0K0S

Specification: SANS 1418, 600/1000V

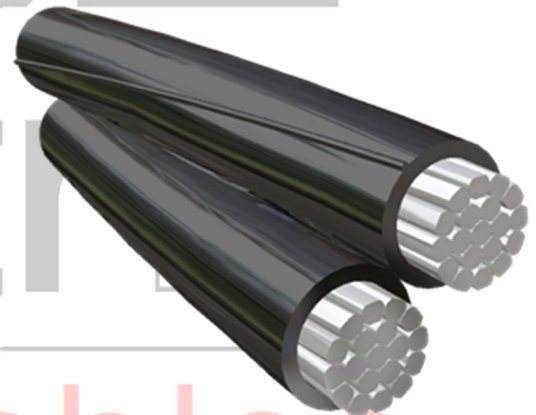
Last updated: February 2026

Size code	...2nnn...	2025	2035	2050	2070	2095	2120	2150
<b>PHYSICAL</b>								
Conductor size	mm <sup>2</sup> nom	25	35	50	70	95	120	150
Conductor diameter	mm app,	6,2	7,0	8,2	9,8	11,6	13,5	14,4
Core diameter	mm app,	9,2	10,3	11,5	13,6	15,4	17,3	18,2
Cable mass	kg/m app,	0,10	0,13	0,17	0,24	0,32	0,39	0,47
Gross mass ( 500 m )	kg app,	194	228	288	359	472	557	788
Design Load (UTS/2,5)	kN max	2,64	3,60	4,96	7,12	9,84	12,48	15,36
<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 (250 °C)	kA(1s)	2,4	3,3	4,7	6,6	9,0	11,3	14,2
(Single Phase) Volt Drop	mV/A	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



electric  
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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