

Description: 1 x AL XLPE + 1 x 54,6mm² AL ALLOY XLPE Insulated Support F7CA 1nnn ZZ SD0 0K0S

Specification: SANS 1418, 600/1000V

Last updated: February 2026

Size code	..1nnn ...	1025	1035	1050	1070	1095
PHYSICAL						
Conductor size	mm ²	25	35	50	70	95
Conductor diameter	mm	6,2	7,0	8,2	9,8	11,6
Core diameter	mm	9,2	10,3	11,5	13,6	15,4
Assembled diameter	mm	20,5	23,0	24,5	26,5	28,5
Support core size	mm ²	54,6	54,6	54,6	54,6	54,6
Cable mass	Kg/m	0,30	0,34	0,38	0,45	0,53
Gross mass (500m)	kg	205	245	265	300	340
Design Load (UTS/2,5)	kN max	6,6	6,6	6,6	6,6	6,6
ELECTRICAL						
DC Resistance @ 20°C	Ω/km	1,200	0,868	0,641	0,443	0,320
AC Resistance @ 90°C	Ω/km	1,539	1,113	0,822	0,568	0,411
Reactance	Ω/km	0,090	0,090	0,084	0,083	0,080
Impedance	Ω/km	1,541	1,117	0,826	0,574	0,419
CURRENT RATINGS						
Current rating in air in shade	Amps	111	138	168	213	258
SHORT CIRCUIT RATINGS						
Short Circuit rating	kA(1s)	1,5	2,4	3,3	4,7	6,6
(Single Phase) Volt Drop	mV/A	3,08	2,23	1,65	1,15	0,84

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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 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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