

Description: 3 x AL XLPE Phase + AL XLPE Insulated Neutral (Self-Support)

F7CA 4nnn ZZ SA0 0K0S

Specification: SANS 1418, 600/1000V

Last updated: February 2026

Size code	..4nnn...	4025	4035	4050	4070	4095	4120	4150
PHYSICAL								
Conductor size	mm ² nom	25	35	50	70	95	120	150
Conductor diameter	mm app,	6,2	7	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
Assembled diameter	mm app,	22,1	24,9	27,8	32,8	37,1	41,7	43,9
Cable mass	kg/m	0,39	0,53	0,68	0,96	1,27	1,57	1,87
Gross mass (500 m)	kg app,	197	265	340	482	636	786	937
Design Load (UTS/2,5)								
Combined	kN max	5,3	7,2	10	14	20	25	31
ELECTRICAL								
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	0,09	0,09	0,084	0,083	0,080	0,078	0,077
Impedance	Ω/km	1,541	1,117	0,826	0,575	0,419	0,334	0,276
CURRENT RATING								
in air in shade	Amps	111	138	168	213	258	300	339
SHORT CIRCUIT RATINGS								
Short Circuit rating (250 °C)	kA(1s)	2,4	3,3	4,7	6,6	9,0	11,3	14,2
(Three Phase) Volt Drop	mV/A	2,67	1,94	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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