

Description: 1 x AL XLPE

F7CA 1nnn ZZ SA0 0K0S

Specification: SANS 1418, 600/1000V

Last updated: February 2026

Size code	...1nnn ...	1016	1025	1035	1050	1070	1095	1120	1150
PHYSICAL									
Conductor size	mm ² nom	16	25	35	50	70	95	120	150
Conductor diameter	mm app,	5,0	6,2	7,0	8,2	9,8	11,6	13,5	14,4
Core diameter	mm app,	7,5	9,2	10,3	11,5	13,6	15,4	17,3	18,2
Cable mass	kg/m app,	0,06	0,10	0,13	0,17	0,24	0,32	0,39	0,47
Gross mass (500 m)	kg app,	128	145	162	203	238	313	361	554
Design Load (UTS/2,5)	kN max	0,83	1,32	1,80	2,48	3,56	4,92	6,24	7,68
ELECTRICAL									
DC Resistance @ 20°C	Ω/km	1,910	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
CURRENT RATING									
Air in shade	Amps	87	111	138	168	213	258	300	339
SHORT CIRCUIT RATINGS									
Short Circuit rating	kA(1s)	1,5	2,4	3,3	4,7	6,6	9,0	11,3	14,2
(Three 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



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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