

Description: 4 Core Cu PVC FRPVC SWA FRPVC, 1000 V F4CC 4nnn ZZ 111 0K0S (Red Stripe)
4 Core Cu PVC LHFRPVC SWA LHFRPVC, 1000 V F4CC 4nnn ZZ 212 0K0S (Blue Stripe)

Specification: SANS 1507

Last updated: January 2026

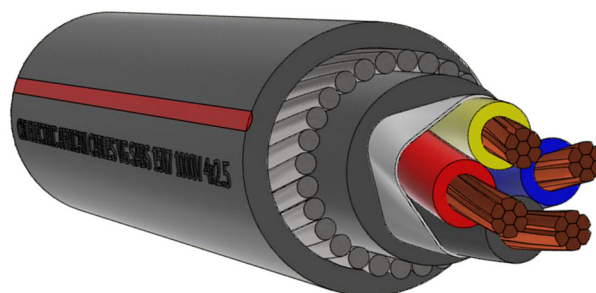
PHYSICAL	... naaa ...	4915	4925	4004	4006	4010	4016#
Conductor size	mm ² nom	1,5	2,5	4	6	10	16
Conductor diameter	mm app	1,6	2,0	2,6	3,1	3,9	4,5
Insulation diameter	mm app	3,2	3,6	4,6	5,2	6,0	6,6
Bedding diameter	mm app	9,5	10,5	12,9	14,2	16,1	16,8
Armour diameter	mm app	11,3	12,3	14,7	16,0	17,9	18,6
Cable diameter	mm app	14,5	15,5	17,9	19,4	21,4	22,0
Length of cable on a drum	m	500	500	500	500	500	500
Cable mass (approximate)	kg/m app	0,4	0,5	0,7	0,8	1,0	1,2
Gross mass on drum	kg app	231	270	372	440	553	672
Bending radius	mm min	145	155	179	194	214	220
ELECTRICAL							
DC Resistance @ 20 °C	Ω/km	12,100	7,410	4,610	3,080	1,830	1,150
AC Resistance @ 70 °C	Ω/km	14,478	8,866	5,516	3,685	2,190	1,376
Reactance X+	Ω/km	0,069	0,065	0,065	0,065	0,065	0,057
Impedance Z+	Ω/km	14,478	8,866	5,516	3,686	2,191	1,377
Capacitance C+	µF/km	0,444	0,492	0,511	0,555	0,618	0,882
Resistance Ro	Ω/km	39,838	31,580	24,602	21,245	17,581	16,617
Reactance Xo	Ω/km	0,428	0,390	0,383	0,362	0,344	0,325
CURRENT RATINGS							
Ground	Amps	25	33	43	53	71	95
Ducts in ground	Amps	20	27	35	43	58	76
Air in Shade	Amps	21	27	36	46	63	84
Air in sunlight	Amps	17	22	29	36	49	66
SHORT CIRCUIT RATING							
Symmetrical (160 °C)	kA (1 sec)	0,2	0,3	0,5	0,7	1,2	1,8
Earth fault (160 °C)	kA (1 sec)	1,0*	1,1*	1,3*	1,5*	1,7*	1,7
Three Phase Volt drop	mV/A/m	25,1	15,4	9,6	6,4	3,8	2,4

* In practice the earth fault rating must be limited to symmetrical fault rating.

Shaped

The current ratings above are based on standard laying conditions for a single circuit in isolation as follows:

Conductor temperature = 70 °C
Soil thermal resistivity = 1,2 K·m/W
Soil temperature = 25 °C
Air temperature = 30 °C
Depth of burial = 500 mm
5% tolerance on dimensions



POWER BY INNOVATION... INNOVATION THROUGH PARTNERSHIPS

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
ISO 9001 | ISO 14001 | ISO 45001