

# Low Voltage PVC Control Cables

## 1kV 19 core Unarmoured

**Description:** 19 Core Cu PVC FRPVC, 1000 V  
19 Core Cu PVC LHFRPVC, 1000 V

**F4CC Bnnn ZZ 001 0K0S**  
**F4CC Bnnn ZZ 002 0K0S**

**Specification:** SANS 1507

*Last updated: January 2026*

PHYSICAL	...Bnnn	B915	B925	B004
Conductor size	mm <sup>2</sup> nom	1,5	2,5	4
Conductor diameter	mm app	1,6	2,1	2,6
Insulation diameter	mm app	3,2	3,7	4,6
Bedding diameter	mm app	16,5	18,9	23,6
Cable diameter	mm app	20,4	22,8	27,9
Length of cable on a drum	m	500	500	500
Cable mass (approximate)	kg/m app	0,6	0,8	1,3
Gross mass on drum	kg app	347	455	713
Bending radius	mm min	163	182	224
ELECTRICAL				
DC Resistance @ 20 °C	Ω/km	12,100	7,410	4,610
AC Resistance @ 70 °C	Ω/km	14,478	8,866	5,516
Reactance X+	Ω/km	0,128	0,116	0,116
Impedance Z+	Ω/km	14,478	8,867	5,517
CURRENT RATINGS				
Ground	Amps	12	16	21
110 Ducts in ground	Amps	10	13	16
Air in Shade	Amps	11	14	20
Air in sunlight	Amps	9	11	15
SHORT CIRCUIT RATING				
Symmetrical (160 °C)	kA (1 sec)	0,17	0,29	0,46
(Three Phase) Volt Drop	mV/A/m	25,1	15,4	9,6

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

Note ratings assume that all conductors carry equal currents simultaneously

**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



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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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  
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