

Description: 2 Core Cu PVC FRPVC, 1000 V
2 Core Cu PVC LHFRPVC, 1000 V

F4CC 2nnn ZZ 001 0K0S
F4CC 2nnn ZZ 002 0K0S

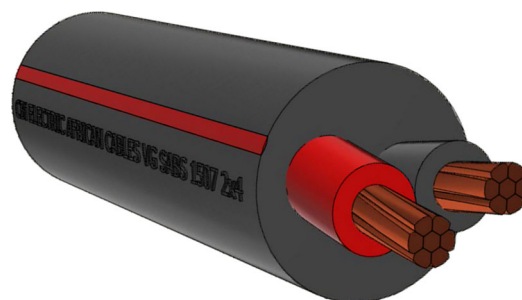
Specification: SANS 1507

Last updated: December 2025

| PHYSICAL | ... 2nnn ... | 2915 | 2925 | 2004 | 2006 | 2010 | 2016 |
|---------------------------|---------------------|--------|--------|--------|--------|-------|-------|
| 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 | 4,8 |
| Insulation diameter | mm app | 3,2 | 3,6 | 4,6 | 5,2 | 6,0 | 6,9 |
| Layup diameter | mm app | 6,4 | 7,3 | 9,2 | 10,3 | 11,9 | 13,8 |
| Armour diameter | mm app | - | - | - | - | - | - |
| Cable diameter | mm app | 9,9 | 10,7 | 12,7 | 14,2 | 15,8 | 17,6 |
| Length of cable on a drum | m | 500 | 500 | 500 | 500 | 500 | 500 |
| Cable mass (approximate) | kg/m app | 0,1 | 0,2 | 0,2 | 0,3 | 0,4 | 0,6 |
| Gross mass on drum | kg app | 85 | 109 | 147 | 185 | 243 | 329 |
| Bending radius | mm min | 79 | 86 | 101 | 113 | 127 | 141 |
| 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 | 0,065 |
| Impedance Z+ | Ω/km | 14,478 | 8,866 | 5,516 | 3,686 | 2,191 | 1,378 |
| Capacitance C+ | μF/km | 0,168 | 0,187 | 0,188 | 0,205 | 0,229 | 0,252 |
| Resistance Ro | Ω/km | 57,911 | 35,464 | 22,064 | 14,741 | 8,759 | 5,505 |
| Reactance Xo | Ω/km | N/A | N/A | N/A | N/A | N/A | N/A |
| CURRENT RATINGS | | | | | | | |
| Ground | Amps | 29 | 38 | 49 | 61 | 82 | 106 |
| Ducts in ground | Amps | 23 | 31 | 40 | 50 | 66 | 86 |
| Air in Shade | Amps | 22 | 29 | 39 | 50 | 68 | 90 |
| Air in sunlight | Amps | 18 | 24 | 32 | 40 | 55 | 72 |
| 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) | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 |
| Single Phase Volt drop | mV/A/m | 28,956 | 17,732 | 11,032 | 7,372 | 4,382 | 2,756 |

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