

Cable Code: F6CC 7nnn ZZ 323 0K0S

Description: 7 Core Cu XLPE NHLFR SWA ECC NHLFR (ZEROTOX), 1000 V

Specification: SANS 150

Last updated: January 2026

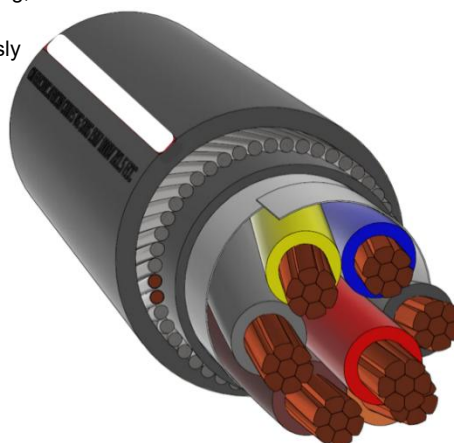
| PHYSICAL | ...7nnn | 7915 | 7925 | 7004 | 7006 | 7010 |
|---------------------------|---------------------|--------|-------|-------|-------|-------|
| Conductor size | mm ² nom | 1,5 | 2,5 | 4 | 6 | 10 |
| Conductor diameter | mm app | 1,6 | 2,1 | 2,6 | 3,1 | 3,9 |
| Insulation diameter | mm app | 3,0 | 3,5 | 4,0 | 4,6 | 5,3 |
| Bedding diameter | mm app | 12,1 | 13,5 | 15,1 | 16,8 | 19,0 |
| Armour diameter | mm app | 14,6 | 16,0 | 17,6 | 19,3 | 21,5 |
| Cable diameter | mm app | 18,0 | 19,5 | 21,0 | 22,7 | 25,2 |
| Length of cable on a drum | m | 500 | 500 | 500 | 500 | 500 |
| Cable mass (approximate) | kg/m app | 0,6 | 0,8 | 0,9 | 1,1 | 1,5 |
| Gross mass on drum | kg app | 367 | 425 | 502 | 599 | 809 |
| Bending radius | mm min | 180 | 195 | 210 | 227 | 252 |
| ELECTRICAL | | | | | | |
| DC Resistance @ 20 °C | Ω/km | 12,100 | 7,410 | 4,610 | 3,080 | 1,830 |
| AC Resistance @ 90 °C | Ω/km | 15,429 | 9,448 | 5,878 | 3,927 | 2,333 |
| Reactance X+ | Ω/km | 0,092 | 0,080 | 0,074 | 0,070 | 0,066 |
| Impedance Z+ | Ω/km | 15,429 | 9,449 | 5,879 | 3,928 | 2,334 |
| CURRENT RATINGS | | | | | | |
| Ground | Amps | 21 | 28 | 36 | 45 | 60 |
| 110 Ducts in ground | Amps | 17 | 23 | 29 | 36 | 48 |
| Air in Shade | Amps | 19 | 26 | 34 | 43 | 58 |
| Air in sunlight | Amps | 17 | 22 | 30 | 37 | 51 |
| SHORT CIRCUIT RATING | | | | | | |
| Symmetrical (160 °C) | kA (1 sec) | 0,15 | 0,25 | 0,40 | 0,60 | 1,00 |
| Earth fault (150 °C) | kA (1 sec) | 1,43 | 1,56 | 1,68 | 1,81 | 1,97 |
| (Three Phase) Volt Drop | mV/A/m | 26,7 | 16,4 | 10,2 | 6,8 | 4,0 |

* 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 = 90 °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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