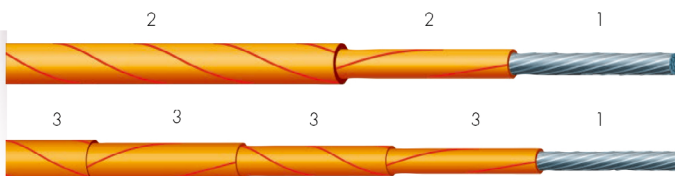


# CN2K / CN4K

집합연선도체, 다중 전선, 불소 중합체 절연, 차폐, 실리콘 피복 케이블

**-190 °C to +250 °C**



- 1 • Nickel-plated copper core.
- 2 • Two heat-sealed crossed polyimide tapes.
- 3 • Four heat-sealed crossed polyimide tapes.

## Approvals - standards

- Nickel-plated copper complying with the 2% class as per standard ASTM B355.
- VERITAS approval certificates No. 153624.

## Applications

- Cabling for heating resistors, cartridges, bands and plates.
- All cabling requiring enhanced chemical resistance and resistance to radiations (chemical, nuclear industry, etc.).

## Options

- Silver-plated copper core: ref. A2K and A4K.
- Pure nickel core (not described in IEC 60228 and NF C 32-018): ref. N2K and N4K.
- Assembly of unipolar cables ref. CN2K under polyimide sheath: ref. M2K-CN2K.
- Other nominal cross-sections: contact us.
- Other nominal stranding: contact us.
- Other options: contact us.

## Characteristics

### General

- Continuous operating temperatures: -190 °C to +200 °C - Peaks at +250 °C.
- Good resistance to moisture and common chemical agents.
- Excellent resistance of polyimide material to radiations:  $1.10^{10}$  rad.

### Electrical

- Rated voltage: 300/500 V.
- Test voltage: 2000 V.
- Enhanced dielectric strength for ref. CN4K.

## Standard products

- Single colour: amber brown.

| Conducting core                              |                   |   | INSULATED WIRE OR CABLE |      |                                   |
|--|-------------------|---|-------------------------|------|-----------------------------------|
| Nominal cross-section (1) (mm <sup>2</sup> ) | Nominal stranding | Maximum linear resistance at 20 °C (Ω/km) | Nominal diameter (mm)   |      | Approximate linear weight (kg/km) |
|  |                   |   | CN2K                    | CN4K |                                   |
| 0.14**                                       | 7 x 0.16          | 152                                       | 0.8                     | 1.1  | 1.9                               |
| 0.22*  | 7 x 0.20          | 99.4                                      | 0.9                     | 1.2  | 2.8                               |
| 0.25**                                       | 8 x 0.20          | 87.2                                      | 1.0                     | 1.3  | 2.9                               |
| 0.34*  | 7 x 0.25          | 63.6                                      | 1.0                     | 1.3  | 3.8                               |
| 0.4*   | 19 x 0.16         | 58.0                                      | 1.1                     | 1.4  | 4.2                               |
| 0.5*   | 7 x 0.30          | 43.8                                      | 1.2                     | 1.5  | 5.3                               |
| 0.6*   | 19 x 0.20         | 36.3                                      | 1.3                     | 1.6  | 6.3                               |
| 0.75   | 24 x 0.20         | 28.7                                      | 1.5                     | 1.8  | 7.7                               |
| 0.93*  | 19 x 0.25         | 23.2                                      | 1.6                     | 1.9  | 9.5                               |
| 1  | 32 x 0.20         | 21.5                                      | 1.6                     | 1.9  | 10.1                              |
| 1.34*  | 19 x 0.30         | 16.1                                      | 1.8                     | 2.1  | 13.4                              |
| 1.5  | 30 x 0.25         | 14.7                                      | 1.9                     | 2.2  | 14.6                              |
| 1.91*  | 27 x 0.30         | 11.3                                      | 2.2                     | 2.5  | 23.8                              |
| 2.5  | 50 x 0.25         | 8.21                                      | 2.3                     | 2.6  | 24.7                              |
| 4  | 56 x 0.30         | 5.09                                      | 2.9                     | 3.2  | 37.8                              |
| 6  | 84 x 0.30         | 3.39                                      | 3.5                     | 3.8  | 56.1                              |
| 10   | 80 x 0.40         | 1.95                                      | 4.7                     | 5.0  | 90.8                              |
| 16   | 126 x 0.40        | 1.24                                      |                         | 6.0  | 157                               |
| 25   | 196 x 0.40        | 0.795                                     |                         | 7.4  | 254                               |
| 35   | 276 x 0.40        | 0.565                                     |                         | 8.8  | 353                               |
| 50   | 396 x 0.40        | 0.394                                     |                         | 10.6 | 512                               |

For this product, please contact:

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(1) Nominal cross-sections described as per IEC 60228 except:

\* Nominal cross-sections described as per NF C 32-018.

\*\* Nominal cross-sections not described in IEC 60228 and NF C 32-018.