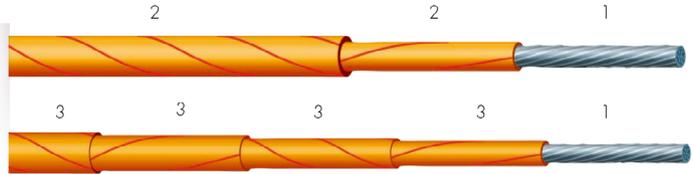


CN2K / CN4K

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

For this product, please contact:

OMERIN division principale

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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.