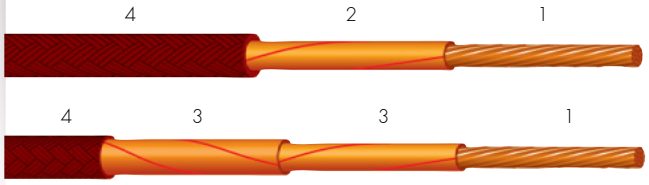
UNIPOLAR WIRES AND CABLES
WITH COMPOSITE INSULATION

SILICABLE®
KVS and 2KVS
-100 °C to +350 °C



1 • Flexible bare copper core - class 5 as per IEC 60228.
2 • Polyimide tape.
3 • Two heat-sealed crossed polyimide tapes.
4 • Varnished fibreglass braid.

Applications

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

Options

• Nickel-plated copper core: ref. CNKVS and CN2KVS.
• Silver-plated copper core: ref. AKVS and A2KVS.
• Pure nickel core (not described in IEC 60228): ref. NKVS or N2KVS.
• Other nominal cross-sections: contact us.
• Other nominal stranding: contact us.
• Other options: contact us.

Characteristics

General

• Continuous operating temperatures: -100 °C to +350 °C.
• Enhanced resistance to moisture for ref. 2KVS.
• Good resistance to common chemical agents.
• Excellent resistance of polyimide material to radiations: 1.10^{9} rad.

Electrical

• Rated voltage: 300/500 V.
• Test voltage: 2000 V.
• Enhanced dielectric strength for ref. 2KVS.

Standard products

• All solid colours.
• All colours with coloured spiral stripe(s).

Conducting core			INSULATED WIRE OR CABLE		
Nominal cross-section (mm^2)	Nominal stranding	Maximum linear resistance at 20 °C (Ω/km)	Nominal diameter (mm) KVS	Nominal diameter (mm) 2KVS	Approximate linear weight (kg/km)
0.22*	7 x 0.20	89.9	1	1.2	3.1
0.34*	7 x 0.25	57.5	1.1	1.3	5.7
0.5*	7 x 0.30	39.6	1.2	1.4	6.3
0.6**	19 x 0.20	32.8	1.3	1.5	7.1
0.75	24 x 0.20	26.0	1.4	1.6	8.5
1	32 x 0.20	19.5	1.5	1.7	10.8
1.5	30 x 0.25	13.3	1.9	2.1	15.3
2.5	50 x 0.25	7.98	2.4	2.6	24.1
4	56 x 0.30	4.95	3.1	3.3	38.4
6	84 x 0.30	3.30	3.7	3.9	56.3
10	80 x 0.40	1.91	5	5.2	106
16	126 x 0.40	1.21		6.3	192
25	196 x 0.40	0.780		7.8	288
35	276 x 0.40	0.554		8.8	385
50	396 x 0.40	0.386		10.6	556
70	360 x 0.50	0.272		12.8	785
95	485 x 0.50	0.206		14.7	1032

* Cross-sections described as per NF C 32-018 class B.
** Cross-section described as per NF C 32-018 class C.

For this product, please contact:

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LES CABLES DE L'EXTREME

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