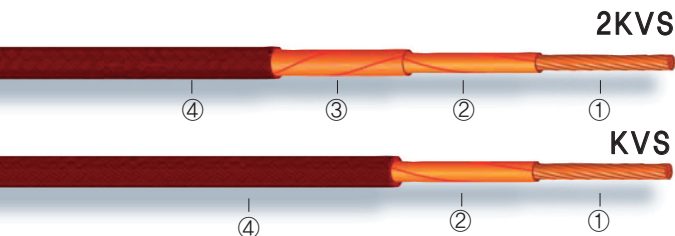


Heat-Resistance Cables

KVS and 2KVS -100°C to +350°C

RoHS



- ① Flexible red copper core – class 5 – IEC228.
- ② A Kapton® polyimide tape.
- ③ Two lapped, heat-sealed Kapton® polyimide tapes.
- ④ Silicone-varnish-impregnated fibreglass braid.

Characteristics

Physical-chemical

- Continuous working temperatures :
– 100°C to + 350°C –Peaks at + 450°C
- Good resistance to thermal shock.
- Excellent ageing resistance.
- Good resistance to humidity : ref. 2KVS.
- Good resistance to aggressive chemical atmospheres.
- Excellent resistance to radiation : 1.10¹⁰ rad.

Electrical

- Working voltage : 300/500V.
- Test voltage : 2000V.
- Increased dielectric strength : ref. 2KVS.

Products

- KVS : 0.22 to 6mm²
- 2KVS : 0.22 to 95mm²
- Any colours, incl. with coloured spiral tracers.

Packaging

- Rolls, spools or drums.

Options

- Nickel-plated copper core : ref. CNKVS and CN2KVS ; with Teflon®-coated (Teflon® PTFE varnish) glass braid : ref. CNKVF and CN2KVF.
- Pure nickel core : ref. NKVS or N2KVS ; with Teflon®-coated (Teflon® PTFE varnish) glass braid : ref. NKVF and N2KVF.
- Multi-conductor assemblies under a Kapton®-fibreglass sheath : ref. MVK-KVS or MVK-2KVS.
- Other cross-sections, core compositions and flexibility classes : consult us.

Applications

- Wiring of heating elements, cartridges, bands and hot plates.
- All wiring in aggressive environments (chemicals, nuclear, etc.).



Core

Insulated wire or cable

Nominal cross-section mm ²	Nominal stranding	Max. linear resistance at 20°C Ω/km	Outer diameter mm		Approx. linear weight kg/km
			KVS	2KVS	
0.14	7 x 0.15	161	0.9	1.1	2.80
0.22	7 x 0.20	89.9	1.0	1.2	4.90
0.25	8 x 0.20	80.9	1.1	1.3	5.10
0.34	7 x 0.25	57.5	1.3	1.5	6.20
0.5	16 x 0.20 or 7 x 0.30	39.6	1.4	1.6	6.70
0.6	19 x 0.20	32.8	1.5	1.7	7.80
0.75	24 x 0.20	26.0	1.8	2.0	9.40
1	32 x 0.20	19.5	1.9	2.1	11.6
1.5	30 x 0.25	13.3	2.2	2.4	16.7
2.5	50 x 0.25	7.98	2.6	2.8	27.2
4	56 x 0.30	4.95	3.3	3.5	43.8
6	84 x 0.30	3.30	3.8	4.0	64.4
10	80 x 0.40	1.91		6.1	120
16	126 x 0.40	1.21		7.7	193
25	196 x 0.40	0.78		9.6	307
35	276 x 0.40	0.554		11.5	405
50	396 x 0.40	0.386		12.7	568
70	360 x 0.50	0.272		15.8	826
95	485 x 0.50	0.206		17.5	1170

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