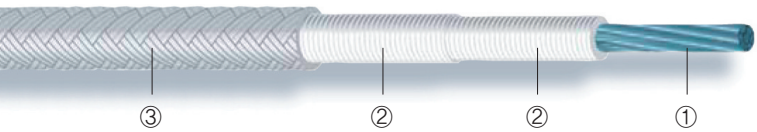
Heat-Resistance Cables

NVAS - 60℃ to + 450℃

RoHS



① Flexible nickel core, type 200.
② Several silicone-impregnated glass lappings.
③ Silicone-coated mineral fibre braid.

Characteristics

Physical-chemical

- Continuous working temperatures : − 60℃ to + 450℃ Peaks at + 550℃.
- Excellent resistance to thermal shock.
- Excellent ageing resistance.
- Good resistance to the usual chemical atmospheres.

Electrical

- Working voltage : 300/500V.
- Test voltage : 2000V.

Products

- Standard colour : grey.
- Any colour on request, including green/yellow.

Options

- Multiconductor assemblies
  − under a braided mineral fibre sheath : ref. MA-NVAS ;
  − under a stainless steel shielding braid : ref. BIMNVAS.
- Other cross-sections and flexibility classes : consult us.
- Very high temperature fibreglass insulating sheath, ref. NVS-R (outer diameters identical to type NVS).

Packaging

- Rolls, spools or drums.

Approvals - standards

- Nickel type 200 meets standards DIN 17753, DIN 17740 and ASTM B160.
- VERITAS approval certificate N° BV 153552.

Applications

- Wiring of heating elements, cartridges, bands and hot plates.
- Wiring of domestic electrical heating appliances, professional kitchens and ovens.
- Machines for thermoplastics and rubber, etc.
- Furnaces and industrial ovens.
- Heavy industry : foundries, steelworks, glassworks, etc.

Core			Insulated wire or cable	
Nominal cross-section mm²	Nominal stranding	Aprox. linear resistance at 20 °C Ω/km (nickel core)	Nominal outer diameter mm	Approx. linear weight kg/km
0.25	4 x 0.30	351	2.2	6.50
0.5	7 x 0.30	178	2.5	8.70
0.75	11 x 0.30	114	2.7	11.9
1	14 x 0.30	91.0	3.2	14.5
1.5	21 x 0.30	61.0	3.4	20.5
2.5	35 x 0.30	36.5	4.0	32.2
4	56 x 0.30	23.8	4.5	50.1
6	84 x 0.30	15.1	5.3	72.3
10	140 x 0.30	8.70	8.0	130
16	228 x 0.30	5.80	9.4	206
25	354 x 0.30	3.60	10.6	323
35	495 x 0.30	2.60	13.4	423
50	707 x 0.30	1.90	14.0	590