

Versatile solid conductors with extended temperature range

### Product Description



### Application range

---

- Areas with high ambient temperatures where conventional core insulation materials will embrittle after a short while
- Typical fields of application - Switchgear cabinet building - Appliances and apparatus engineering - Electric motor industry - Sauna/solarium construction - Thermal and heating elements - Lighting technology - Ventilator engineering - Air-conditioning technology - Oven construction - Polymer processing - Generator and transformer building

### Design

---

- Tinned solid copper wire conductor
- Silicone based insulation

### Product features

---

- Halogen free in accordance with IEC 60754-1
- Resistant against a multitude of oils, alcohols, vegetable and animal fats and chemical media



Technical Data

**Specific insulation resistance**

>200 GOhm x cm

**Conductor stranding**

Solid copper conductor

**Minimum bending radius**

Fixed installation: 6 x core diameter  
One bend at end of core: 3 x cable diameter

**Rated voltage**

U0/U 300/500 V

**Test voltage**

2000 V

**Range of temperature**

-50 °C up to +180 °C (adequate ventilation provided)

Temporary: +200°C

Article List

Part number	Conductor cross section in mm <sup>2</sup>	Outer diameter in mm	Wire colour	Copper index kg/km	Weight kg/km
0068001	0,5	2.0	black	4.8	9.0
0068105	0,5	2.0	white	4.8	9.0
0069000	0,75	2,2	greenyellow	7.2	12.0
0069001	0,75	2,2	black	7.2	12.0
0069002	0,75	2,2	blue	7.2	12.0
0069003	0,75	2,2	brown	7.2	12.0
0069006	0,75	2,2	green	7.2	12.0
0069007	0,75	2,2	purple	7.2	12.0
0069104	0,75	2,2	red	7.2	12.0
0069105	0,75	2,2	white	7.2	12.0
0070000	1	2,3	greenyellow	9.6	15.0
0070001	1	2,3	black	9.6	15.0
0070002	1	2,3	blue	9.6	15.0
0070003	1	2,3	brown	9.6	15.0
0070007	1	2,3	purple	9.6	15.0
0070104	1	2,3	red	9.6	15.0
0070105	1	2,3	white	9.6	15.0
0071000	1,5	2,6	greenyellow	14.4	20.0
0071001	1,5	2,6	black	14.4	20.0
0071002	1,5	2,6	blue	14.4	20.0
0071003	1,5	2,6	brown	14.4	20.0
0071004	1,5	2,6	beige	14.4	20.0



0071105	1,5	2,6	white	14.4	20.0
0072001	2,5	3,2	black	24.0	32.0
0072002	2,5	3,2	blue	24.0	32.0
0073001	4	3,9	black	38.0	50.0
0074001	6	4,6	black	58.0	64.5
0074002	6	4,6	blue	58.0	64.5

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil  $\leq$  30 kg and  $\leq$  250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Also available on large spools and non-returnable barrels.

Photographs are not to scale and do not represent detailed images of the respective products.

Part number index of core colours: 000 =greenyellow / 001 =black / 002 =blue / 003 =brown / 004 =beige / 006 =green / 007 =purple / 104 =red / 105 =white

Other colours on request