

Versatile stranded 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

- Fine strands of tinned copper wires
- 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

Fine wire according VDE 0295, class 5 / IEC 60228

Cl 5 from 0,5 mm²

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 ²	Outer diameter in mm	Wire colour	Copper index kg/km	Weight kg/km
0047000	0,25	1,9	greenyellow	2.4	5.4
0047001	0,25	1,9	black	2.4	5.4
0047002	0,25	1,9	blue	2.4	5.4
0047003	0,25	1,9	brown	2.4	5.4
0047005	0,25	1,9	yellow	2.4	5.4
0047006	0,25	1,9	green	2.4	5.4
0047007	0,25	1,9	purple	2.4	5.4
0047008	0,25	1,9	Pink	2.4	5.4
0047009	0,25	1,9	orange	2.4	5.4
0047104	0,25	1,9	red	2.4	5.4
0047105	0,25	1,9	white	2.4	5.4
0047106	0,25	1,9	grey	2.4	5.4
0048000	0,5	2,1	greenyellow	4.8	9.0
0048001	0,5	2,1	black	4.8	9.0
0048002	0,5	2,1	blue	4.8	9.0
0048003	0,5	2,1	brown	4.8	9.0
0048005	0,5	2,1	yellow	4.8	9.0
0048006	0,5	2,1	green	4.8	9.0
0048007	0,5	2,1	purple	4.8	9.0
0048008	0,5	2,1	Pink	4.8	9.0
0048009	0,5	2,1	orange	4.8	9.0



0048104	0,5	2,1	red	4.8	9.0
0048105	0,5	2,1	white	4.8	9.0
0048106	0,5	2,1	grey	4.8	9.0
0049000	0,75	2,4	greenyellow	7.2	12.0
0049001	0,75	2,4	black	7.2	12.0
0049002	0,75	2,4	blue	7.2	12.0
0049003	0,75	2,4	brown	7.2	12.0
0049005	0,75	2,4	yellow	7.2	12.0
0049006	0,75	2,4	green	7.2	12.0
0049007	0,75	2,4	purple	7.2	12.0
0049008	0,75	2,4	Pink	7.2	12.0
0049009	0,75	2,4	orange	7.2	12.0
0049104	0,75	2,4	red	7.2	12.0
0049105	0,75	2,4	white	7.2	12.0
0049106	0,75	2,4	grey	7.2	12.0
0050000	1	2,5	greenyellow	9.6	15.0
0050001	1	2,5	black	9.6	15.0
0050002	1	2,5	blue	9.6	15.0
0050003	1	2,5	brown	9.6	15.0
0050004	1	2,5	beige	9.6	15.0
0050005	1	2,5	yellow	9.6	15.0
0050006	1	2,5	green	9.6	15.0
0050007	1	2,5	purple	9.6	15.0
0050008	1	2,5	Pink	9.6	15.0
0050009	1	2,5	orange	9.6	15.0
0050104	1	2,5	red	9.6	15.0
0050105	1	2,5	white	9.6	15.0
0050106	1	2,5	grey	9.6	15.0
0051000	1,5	2,8	greenyellow	14.4	20.0
0051001	1,5	2,8	black	14.4	20.0
0051002	1,5	2,8	blue	14.4	20.0
0051003	1,5	2,8	brown	14.4	20.0
0051005	1,5	2,8	yellow	14.4	20.0
0051006	1,5	2,8	green	14.4	20.0
0051007	1,5	2,8	purple	14.4	20.0
0051008	1,5	2,8	Pink	14.4	20.0
0051009	1,5	2,8	orange	14.4	20.0
0051104	1,5	2,8	red	14.4	20.0
0051105	1,5	2,8	white	14.4	20.0
0051106	1,5	2,8	grey	14.4	20.0
0052000	2,5	3,4	greenyellow	24.0	32.0



0052001	2,5	3,4	black	24.0	32.0
0052002	2,5	3,4	blue	24.0	32.0
0052003	2,5	3,4	brown	24.0	32.0
0052005	2,5	3,4	yellow	24.0	32.0
0052006	2,5	3,4	green	24.0	32.0
0052007	2,5	3,4	purple	24.0	32.0
0052104	2,5	3,4	red	24.0	32.0
0052105	2,5	3,4	white	24.0	32.0
0052106	2,5	3,4	grey	24.0	32.0
0053000	4	4,2	greenyellow	38.0	50.0
0053001	4	4,2	black	38.0	50.0
0053002	4	4,2	blue	38.0	50.0
0053003	4	4,2	brown	38.0	50.0
0053005	4	4,2	yellow	38.0	50.0
0053006	4	4,2	green	38.0	50.0
0053009	4	4,2	orange	38.0	50.0
0053104	4	4,2	red	38.0	50.0
0053105	4	4,2	white	38.0	50.0
0053106	4	4,2	grey	38.0	50.0
0054000	6	5.0	greenyellow	58.0	73.0
0054001	6	5.0	black	58.0	73.0
0054002	6	5.0	blue	58.0	73.0
0054003	6	5.0	brown	58.0	73.0
0054004	6	5.0	beige	58.0	73.0
0054005	6	5.0	yellow	58.0	73.0
0054006	6	5.0	green	58.0	73.0
0054104	6	5.0	red	58.0	73.0
0054105	6	5.0	white	58.0	73.0
0054106	6	5.0	grey	58.0	73.0
0055000	10	6,6	greenyellow	96.0	118.0
0055001	10	6,6	black	96.0	118.0
0055002	10	6,6	blue	96.0	118.0
0055003	10	6,6	brown	96.0	118.0
0055009	10	6,6	orange	96.0	118.0
0055104	10	6,6	red	96.0	118.0
0055106	10	6,6	grey	96.0	118.0
0056000	16	7,4	greenyellow	154.0	177.0
0056001	16	7,4	black	154.0	177.0
0056002	16	7,4	blue	154.0	177.0
0056104	16	7,4	red	154.0	177.0
0056106	16	7,4	grey	154.0	177.0

0057000	25	9,2	greenyellow	240.0	277.0
0057001	25	9,2	black	240.0	277.0
0057002	25	9,2	blue	240.0	277.0
0057104	25	9,2	red	240.0	277.0
0057106	25	9,2	grey	240.0	277.0
0058000	35	10,3	greenyellow	336.0	374.0
0058001	35	10,3	black	336.0	374.0
0058002	35	10,3	blue	336.0	374.0
0058104	35	10,3	red	336.0	374.0
0059000	50	12,2	greenyellow	480.0	530.0
0059001	50	12,2	black	480.0	530.0
0059104	50	12,2	red	480.0	530.0
0060000	70	14,2	greenyellow	672.0	724.0
0060001	70	14,2	black	672.0	724.0
0060002	70	14,2	blue	672.0	724.0
0061000	95	16,6	greenyellow	912.0	982.0
0061001	95	16,6	black	912.0	982.0
0061105	95	16,6	white	912.0	982.0
0062000	120	18.0	greenyellow	1152.0	1219.0
0062001	120	18.0	black	1152.0	1219.0
0063001	150	20.0	black	1440.0	1524.0
0064001	185	22,5	black	1776.0	1915.0

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

Packaging size: Coil ≤ 30 kg and ≤ 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 / 005 = yellow / 006 =green / 007 =purple / 008 =pink / 009 =orange / 104 =red / 105 =white / 106 =grey

Other colours on request