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U.I. Lapp GmbH	PRODUCT INFORMATION	LAPP GROUP
	ÖLFLEX® HEAT 180 SiF	**29.11.2013**

Versatile stranded conductors with extended temperature range



CE RoHS

Halogen-free

Temperature-resistant

Info
Flexible fine-wire copper conductor

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

Design
Fine-wire, tinned-copper conductor
Silicone-based insulation

Product features
Halogen-free according to IEC 60754-1
Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances

Remark
Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Also available on large spools and non-returnable drums.
Photographs are not to scale and do not represent detailed images of the respective products.
Article number index of core colours: 000 = green-yellow; 001 = black; 002 = blue; 003 = brown; 004 = beige; 005 = yellow; 006 = green; 007 = violet; 008 = pink; 009 = orange; 104 = red; 105 = white; 106 = grey
Other colours are available upon request

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Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Specific insulation resistance:	>200 GOhm x cm
Conductor stranding:	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm²
Minimum bending radius:	Fixed installation: 6 x core diameter One bend at end of core: 3 x cable diameter
Nominal voltage:	U_0/U: 300/500 V
Test voltage:	2000 V
Temperature range:	-50 °C to +180 °C (adequate ventilation required) Short-term: +200°C

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Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0047000	0,25	1,9	green/yellow	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	violet	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	green/yellow	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	violet	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	green/yellow	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	violet	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

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Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0049105	0,75	2,4	white	7.2	12.0
0049106	0,75	2,4	grey	7.2	12.0
0050000	1	2,5	green/yellow	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	violet	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	green/yellow	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	violet	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	green/yellow	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	violet	24.0	32.0

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Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
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	green/yellow	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	green/yellow	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	green/yellow	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	green/yellow	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

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Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0056106	16	7,4	grey	154.0	177.0
0057000	25	9,2	green/yellow	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	green/yellow	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	green/yellow	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	green/yellow	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	green/yellow	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	green/yellow	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

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