

## ÖLFLEX® HEAT 180 SiF A

UL-AWM certified silicone single core with wide temperature range

ÖLFLEX® HEAT 180 SiF A - silicone single core cable for use with increased temperature requirements up to +180°C, UL-AWM certified and VDE-tested

### Info

A for Advanced

here: certification for USA and Canada

UL AWM Style 3644 (150°C/1000 V)



Temperature-resistant



Halogen-free



Cold-resistant

### Benefits

Certified for the USA and Canada for export-oriented appliance and apparatus manufacturers  
The remaining SiO<sub>2</sub> ash has insulating properties after combustion

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### Application range

Areas with high ambient temperatures where conventional core insulation materials will become brittle after a short period

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
- Plastic processing
- Generator and transformer manufacturing

### Product features

Fire behaviour:

- Flame-retardant (IEC 60332-1-2)
- Halogen-free (IEC 60754-1)
- Corrosiveness of gases (IEC 60754-2)
- Smoke density (IEC 61034-2)
- Low toxicity (EN 50305)

Flammability (UL): FT2 (Horizontal Flame Test)

Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances

### Norm references / approvals

UL AWM Style 3644

UL File No. E63634

### Design

Fine-wire, tin-plated copper conductor

Silicone-based insulation

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single-core cable
Conductor design:	Fine wire according to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm <sup>2</sup>
Minimum bending radius:	Fixed installation: 6 x outer diameter Single bend: 3 x cable diameter
Nominal voltage:	UL: 1000 V IEC: U <sub>0</sub> /U 600/1000 V
Test voltage:	3000 V
Temperature range:	IEC: -50°C up to +180°C UL (AWM): up to +150°C (adequate ventilation required)

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### Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

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

Packaging: Ring  $\leq 30$  kg or  $\leq 250$  m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

Dimensions 0.25 - 4 mm<sup>2</sup> only available as 100 m box.

Other colours are available upon request

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 180 SiF A					
1249500	0.25	2.25	green/yellow	2.4	6.8
1249520	0.25	2.25	black	2.4	6.8
1249540	0.25	2.25	blue	2.4	6.8
1249560	0.25	2.25	brown	2.4	6.8
1249580	0.25	2.25	red	2.4	6.8
1249600	0.25	2.25	white	2.4	6.8
1249620	0.25	2.25	grey	2.4	6.8
1249640	0.25	2.25	violet	2.4	6.8
1249660	0.25	2.25	dark blue	2.4	6.8
1249680	0.25	2.25	orange	2.4	6.8
1249700	0.25	2.25	yellow	2.4	6.8
1249720	0.25	2.25	green	2.4	6.8
1249502	0.5	2.45	green/yellow	4.8	10.9
1249522	0.5	2.45	black	4.8	10.9
1249542	0.5	2.45	blue	4.8	10.9
1249562	0.5	2.45	brown	4.8	10.9
1249582	0.5	2.45	red	4.8	10.9
1249602	0.5	2.45	white	4.8	10.9
1249622	0.5	2.45	grey	4.8	10.9
1249642	0.5	2.45	violet	4.8	10.9
1249662	0.5	2.45	dark blue	4.8	10.9
1249682	0.5	2.45	orange	4.8	10.9
1249702	0.5	2.45	yellow	4.8	10.9
1249722	0.5	2.45	green	4.8	10.9
1249503	0.75	2.75	green/yellow	7.2	14
1249523	0.75	2.75	black	7.2	14
1249543	0.75	2.75	blue	7.2	14
1249563	0.75	2.75	brown	7.2	14
1249583	0.75	2.75	red	7.2	14
1249603	0.75	2.75	white	7.2	14
1249623	0.75	2.75	grey	7.2	14
1249643	0.75	2.75	violet	7.2	14
1249663	0.75	2.75	dark blue	7.2	14

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Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
1249683	0.75	2.75	orange	7.2	14
1249703	0.75	2.75	yellow	7.2	14
1249723	0.75	2.75	green	7.2	14
1249504	1	2.85	green/yellow	9.6	17.2
1249524	1	2.85	black	9.6	17.2
1249544	1	2.85	blue	9.6	17.2
1249564	1	2.85	brown	9.6	17.2
1249584	1	2.85	red	9.6	17.2
1249604	1	2.85	white	9.6	17.2
1249624	1	2.85	grey	9.6	17.2
1249644	1	2.85	violet	9.6	17.2
1249664	1	2.85	dark blue	9.6	17.2
1249684	1	2.85	orange	9.6	17.2
1249704	1	2.85	yellow	9.6	17.2
1249724	1	2.85	green	9.6	17.2
1249505	1.5	3.15	green/yellow	14.4	22.2
1249525	1.5	3.15	black	14.4	22.2
1249545	1.5	3.15	blue	14.4	22.2
1249565	1.5	3.15	brown	14.4	22.2
1249585	1.5	3.15	red	14.4	22.2
1249605	1.5	3.15	white	14.4	22.2
1249625	1.5	3.15	grey	14.4	22.2
1249645	1.5	3.15	violet	14.4	22.2
1249665	1.5	3.15	dark blue	14.4	22.2
1249685	1.5	3.15	orange	14.4	22.2
1249705	1.5	3.15	yellow	14.4	22.2
1249725	1.5	3.15	green	14.4	22.2
1249506	2.5	3.55	green/yellow	24	33.1
1249526	2.5	3.55	black	24	33.1
1249546	2.5	3.55	blue	24	33.1
1249566	2.5	3.55	brown	24	33.1
1249586	2.5	3.55	red	24	33.1
1249606	2.5	3.55	white	24	33.1
1249626	2.5	3.55	grey	24	33.1

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Article number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter [mm]	Core colour	Copper index (kg/km)	Weight (kg/km)
1249646	2.5	3.55	violet	24	33.1
1249666	2.5	3.55	dark blue	24	33.1
1249686	2.5	3.55	orange	24	33.1
1249706	2.5	3.55	yellow	24	33.1
1249726	2.5	3.55	green	24	33.1
1249507	4	4.15	green/yellow	38	49.5
1249527	4	4.15	black	38	49.5
1249547	4	4.15	blue	38	49.5
1249567	4	4.15	brown	38	49.5
1249587	4	4.15	red	38	49.5
1249607	4	4.15	white	38	49.5
1249627	4	4.15	grey	38	49.5
1249508	6	5.5	green/yellow	58	78.3
1249528	6	5.5	black	58	78.3
1249548	6	5.5	blue	58	78.3
1249568	6	5.5	brown	58	78.3
1249588	6	5.5	red	58	78.3
1249608	6	5.5	white	58	78.3
1249628	6	5.5	grey	58	78.3
1249509	10	7.65	green/yellow	96	132.7
1249529	10	7.65	black	96	132.7
1249549	10	7.65	blue	96	132.7
1249569	10	7.65	brown	96	132.7
1249589	10	7.65	red	96	132.7
1249609	10	7.65	white	96	132.7
1249510	16	8.45	green/yellow	154	192
1249530	16	8.45	black	154	192
1249550	16	8.45	blue	154	192
1249570	16	8.45	brown	154	192
1249590	16	8.45	red	154	192
1249610	16	8.45	white	154	192
1249511	25	9.85	green/yellow	240	288.9
1249531	25	9.85	black	240	288.9
1249551	25	9.85	blue	240	288.9

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1249591	25	9.85	red	240	288.9
1249611	25	9.85	white	240	288.9
1249532	35	10.95	black	336	386
1249592	35	10.95	red	336	386
1249533	50	13.5	black	480	557.6
1249593	50	13.5	red	480	557.6
1249534	70	15.5	black	672.2	775.2
1249535	95	17.5	black	912	1,004.4

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