

## ÖLFLEX® HEAT 180 SiHF

Silicone cables with extended temperature range

ÖLFLEX® HEAT 180 SiHF - silicone power and control cable for use in machine and plant construction and toolbuilding for temperatures up to +180°C

### Info

The classic for multi-functional use

Further dimensions/colours on request

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)



Halogen-free



Cold-resistant



Temperature-resistant

### Benefits

Flexibility simplifies installation where space is limited

Possesses insulating properties after combustion due to remaining SiO<sub>2</sub> ash on the conductor

### Application range

Areas with high ambient temperatures where insulating and sheath materials of conventional cables will embrittle after a short while

Typical fields of application

- Steel, ceramic and iron works
- Bakery equipment and industrial furnaces
- Electric motor industry
- Sauna/solarium construction
- Thermal and heating elements
- Lighting technology
- Ventilator engineering

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## ÖLFLEX® HEAT 180 SiHF

- Air-conditioning technology
- Galvanisation technology

### Product features

Halogen-free (IEC 60754-1), no corrosive gases (IEC 60754-2), flame-retardant (IEC 60332-1-2)

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

Adequate ventilation must be ensured, since the mechanical properties of silicone cables decrease from +100 °C in the absence of air

### Norm references / Approvals

Based on EN 50525-2-83

### Product Make-up

Fine-wire, tinned-copper conductor

Silicone-based core insulation

Cores twisted in layers

Silicone-based outer sheath,  
colour red-brown

### Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Core identification code:	Colours according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	2000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	-60 °C to +180 °C (adequate ventilation required)

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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](http://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).

Photographs and graphics 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.



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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 180 SiHF				
0046001	2 X 0.75	6.4	14.4	59
0046002	3 G 0.75	6.8	21.6	70
00460033	4 G 0.75	7.6	28.8	89
00460043	5 G 0.75	8.5	36	112
0046005	6 G 0.75	9.2	43.2	131
0046006	7 G 0.75	9.2	50.4	136
0046007	2 X 1.0	6.6	19.2	66
0046008	3 G 1.0	7	29	79
00460093	4 G 1.0	7.9	38.4	101
00460103	5 G 1.0	8.8	48	127
0046012	7 G 1.0	9.5	67	156
0046013	2 X 1.5	7.6	29	90
0046014	3 G 1.5	8	43	109
00460153	4 G 1.5	8.8	58	134
00460163	5 G 1.5	9.6	72	163
0046018	7 G 1.5	10.4	101	202
0046039	12 G 1.5	14	173	361
0046040	16 G 1.5	16.2	230.4	478
0046041	20 G 1.5	17.5	288	574
0046042	24 G 1.5	19.8	345.6	720
0046019	2 X 2.5	8.8	48	128
0046020	3 G 2.5	9.7	72	167
00460213	4 G 2.5	10.6	96	206
00460223	5 G 2.5	11.6	120	251
0046024	7 G 2.5	12.6	168	313
0046025	2 X 4.0	10.8	76.8	196
0046026	3 G 4.0	11.5	115	241
00460273	4 G 4.0	12.6	154	300
00460283	5 G 4.0	14	192	374
0046030	7 G 4.0	15.6	269	486
0046031	2 X 6.0	12.4	116	268
0046032	3 G 6.0	13.2	173	333
00460333	4 G 6.0	14.7	230	425

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Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
00460343	5 G 6.0	16.6	288	538
0046036	7 G 6.0	18.6	403	705
00460373	4 G 10.0	19.4	384	707
00460453	5 G 10.0	21.6	480	878
00460383	4 G 16.0	21.4	614	1004

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