

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



Temperature-resistant



Halogen-free



Cold-resistant

Benefits

Flexibility simplifies installation where space is limited

Possesses insulating properties after combustion due to remaining SiO₂ ash on the conductor

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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
- 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 5.0 Class-ID: EC001578 ETIM 5.0 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:	U ₀ /U: 300/500 V
Test voltage:	2000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	-50 °C to +180 °C (adequate ventilation required)

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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

Packaging size: coil \leq 30 kg or \leq 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 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.

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
ÖLFLEX® HEAT 180 SiHF			
0046001	2 X 0.75	6.4	14.4
0046002	3 G 0.75	6.8	21.6
00460033	4 G 0.75	7.6	28.8
00460043	5 G 0.75	8.5	36
0046005	6 G 0.75	9.2	43.2
0046006	7 G 0.75	9.2	50.4
0046007	2 X 1	6.6	19.2
0046008	3 G 1	7	29
00460093	4 G 1	7.9	38.4
00460103	5 G 1	8.8	48
0046012	7 G 1	9.5	67
0046013	2 X 1.5	7.6	29
0046014	3 G 1.5	8	43
00460153	4 G 1.5	8.8	58
00460163	5 G 1.5	9.6	72
0046018	7 G 1.5	10.4	101
0046039	12 G 1.5	14	173
0046040	16 G 1.5	16.2	230.4
0046041	20 G 1.5	17.5	288
0046042	24 G 1.5	19.8	345.6
0046019	2 X 2.5	8.8	48
0046020	3 G 2.5	9.7	72
00460213	4 G 2.5	10.6	96
00460223	5 G 2.5	11.6	120
0046024	7 G 2.5	12.6	168
0046025	2 X 4	10.8	76.8
0046026	3 G 4	11.5	115
00460273	4 G 4	12.6	154
00460283	5 G 4	14	192
0046030	7 G 4	15.6	269
0046031	2 X 6	12.4	116
0046032	3 G 6	13.2	173
00460333	4 G 6	14.7	230

Last Update (27.01.2017)
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 Product Management www.lappkabel.de
 You can find the current technical data in the corresponding data sheet.
 PN 0456 / 02_03_16

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)
00460343	5 G 6	16.6	288
0046036	7 G 6	18.6	403
00460373	4 G 10	19.4	384
00460453	5 G 10	21.6	480
00460383	4 G 16	21.4	614

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