

Silicone cables with extended temperature range -50°C up to +180°C

Product Description

Good flexibility ease the installation where space is limited; Possess still insulating properties after combustion due to remaining SiO₂ 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-, cement-, 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 - Galvanization technology - Polymer processing - Generator and transformer building - Wind turbine engineering

Benefits

- Good flexibility ease the installation where space is limited
- Possess still insulating properties after combustion due to remaining SiO₂ ash on the conductor

Design

- Fine strands of tinned copper wires
- Silicone based core insulation
- Cores twisted in layers
- Silicone based outer sheath, colour red-brown

Product features

- Halogen-free and flame retardant (IEC 60332-1-2)
- Reduced smoke density
- Resistant against a multitude of oils, alcohols, vegetable and animal fats and chemical media



Technical Data

Core identification code

Colour coded according to VDE 0293-308, see Appendix T9

Starting at 6 cores: Black with white numbers

Based on

VDE 0250

Specific insulation resistance

>200 GOhm x cm

Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius

Occasional flexing: 15 x cable diameter

Fixed installation: 4 x cable diameter

Rated voltage

U0/U 300/500 V

Test voltage

2000 V

Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

Range of temperature

-50 °C up to +180 °C (adequate ventilation provided)

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in 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	36.0	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	6,6	19.2	66
0046008	3 G 1	7.0	29.0	79
00460093	4 G 1	7,9	38.4	101
00460103	5 G 1	8,8	48.0	127
0046012	7 G 1	9,5	67.0	156
0046013	2 X 1,5	7,6	29.0	90
0046014	3 G 1,5	8.0	43.0	109
00460153	4 G 1,5	8,8	58.0	134
00460163	5 G 1,5	9,6	72.0	163
0046018	7 G 1,5	10,4	101.0	202



0046039	12 G 1,5	14,0	173,0	361
0046040	16 G 1,5	16,2	230,4	478
0046041	20 G 1,5	17,5	288,0	574
0046042	24 G 1,5	19,8	345,6	720
0046019	2 X 2,5	8,8	48,0	128
0046020	3 G 2,5	9,7	72,0	167
00460213	4 G 2,5	10,6	96,0	206
00460223	5 G 2,5	11,6	120,0	251
0046024	7 G 2,5	12,6	168,0	313
0046025	2 X 4	10,8	76,8	196
0046026	3 G 4	11,5	115,0	241
00460273	4 G 4	12,6	154,0	300
00460283	5 G 4	14,0	192,0	374
0046030	7 G 4	15,6	269,0	486
0046031	2 X 6	12,4	116,0	268
0046032	3 G 6	13,2	173,0	333
00460333	4 G 6	14,7	230,0	425
00460343	5 G 6	16,6	288,0	538
0046036	7 G 6	18,6	403,0	705
00460373	4 G 10	19,4	384,0	707
00460453	5 G 10	21,6	480,0	878
00460383	4 G 16	21,4	614,0	1004

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 \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (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.