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

CE RoHS

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 mm² per conductor	Outer diameter in mm approx.	Core colour	Copper index kg/km	Weight kg/km approx.
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	6,6		19.2	66
0046008	3 G 1	7		29	79
00460093	4 G 1	7,9		38.4	101
00460103	5 G 1	8,8		48	127
0046012	7 G 1	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	10,8		76.8	196
0046026	3 G 4	11,5		115	241
00460273	4 G 4	12,6		154	300
00460283	5 G 4	14		192	374
0046030	7 G 4	15,6		269	486
0046031	2 X 6	12,4		116	268
0046032	3 G 6	13,2		173	333
00460333	4 G 6	14,7		230	425
00460343	5 G 6	16,6		288	538
0046036	7 G 6	18,6		403	705
00460373	4 G 10	19,4		384	707
00460453	5 G 10	21,6		480	878
00460383	4 G 16	21,4		614	1004

Footnote:

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