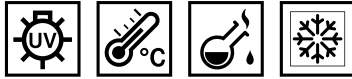


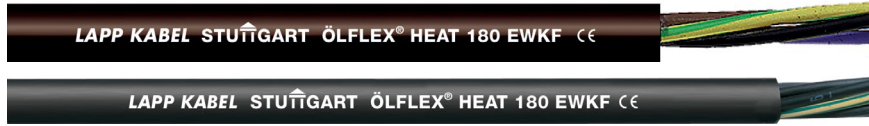
Expanded ambient temperatures

Silicone cables (-50°C to +180°C)



ÖLFLEX® HEAT 180 EWKF

Silicone cables with increased mechanical characteristics



Info

- Proven notch-resistant EWKF quality

Benefits

- Longer durability in harsh applications than conventional silicone cables
- Notch and tear-resistant silicone compounds reduce damage due to mechanical stress
- Due to the use of special additives in EWKF silicone, armoured cable versions will not be required
- Flexibility simplifies installation where space is limited
- Possesses insulating properties after combustion due to remaining SiO₂ ash on the conductor

Application range

- Areas with high ambient temperatures and occasionally mechanical stress
- 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 and flame-retardant (IEC 60332-1-2)
- Good hydrolysis and UV-resistance
- Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances
- EWKF:** Initial tear propagation and notch resistant

Product make-up

- Fine-wire, tinned-copper conductor
- Core insulation: based on EWKF silicone
- Cores twisted together
- Outer sheath: silicone-based EWKF, notch-resistant, black

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

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 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
-50 °C to +180 °C
(adequate ventilation required)

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® HEAT 180 EWKF | | | | |
| 0046500 | 2 X 0.75 | 6.4 | 15.0 | 49 |
| 0046501 | 3 G 0.75 | 6.9 | 22.0 | 60 |
| 00465023 | 4 G 0.75 | 7.6 | 29.0 | 76 |
| 00465033 | 5 G 0.75 | 8.5 | 36.0 | 96 |
| 0046506 | 2 X 1 | 6.8 | 20.0 | 56 |
| 0046507 | 3 G 1 | 7.1 | 29.0 | 68 |
| 00465083 | 4 G 1 | 7.9 | 39.0 | 88 |
| 00465093 | 5 G 1 | 8.8 | 48.0 | 110 |
| 0046110 | 7 G 1 | 9.5 | 67.2 | 137 |
| 0046511 | 2 X 1.5 | 8.0 | 29.0 | 77 |
| 0046512 | 3 G 1.5 | 8.4 | 43.0 | 94 |
| 00465133 | 4 G 1.5 | 9.5 | 58.0 | 117 |
| 00465143 | 5 G 1.5 | 10.4 | 72.0 | 143 |

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 0046115 | 7 G 1.5 | 11.0 | 101.0 | 180 |
| 0046116 | 12 G 1.5 | 14.9 | 173.0 | 319 |
| 0046117 | 16 G 1.5 | 17.1 | 230.4 | 424 |
| 0046119 | 24 G 1.5 | 21.0 | 345.6 | 637 |
| 0046520 | 2 X 2.5 | 9.4 | 48.0 | 110 |
| 0046521 | 3 G 2.5 | 9.8 | 72.0 | 146 |
| 00465223 | 4 G 2.5 | 11.1 | 96.0 | 181 |
| 00465233 | 5 G 2.5 | 12.4 | 120.0 | 222 |
| 0046131 | 3 G 4 | 11.5 | 114.0 | 213 |
| 00461323 | 4 G 4 | 12.5 | 152.0 | 267 |
| 00461333 | 5 G 4 | 13.9 | 190.0 | 334 |
| 0046141 | 3 G 6 | 13.2 | 174.0 | 297 |
| 00461423 | 4 G 6 | 14.7 | 232.0 | 381 |
| 00461433 | 5 G 6 | 16.5 | 290.0 | 481 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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 ≤ 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 are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® HEAT 180 H05SS-F EWKF refer to page 167
- ÖLFLEX® HEAT 180 EWKF C refer to page 171