

## ÖLFLEX® HEAT 180 H05SS-F EWKF

Europe-wide standardised silicone connection cables with increased mechanical performance

ÖLFLEX® HEAT 180 H05SS-F EWKF - silicone power cable according to type H05SS-F, for use in machines, plant construction and toolbuilding, suitable for +180°C

### Info

International use in combination with proven EWKF quality



Halogen-free



Cold-resistant



Temperature-resistant



UV-resistant

### Benefits

Harmonised use in Europe

Notch and tear-resistant silicone compounds reduce damage due to mechanical stress

For harsh environments, more durable than conventional H05SS-F standardised cables

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 and occasionally mechanical stress

Typical fields of application

- Steel, ceramic and iron works
- Bakery equipment and industrial furnaces
- Electric motor industry

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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 H05SS-F EWKF

- Sauna/solarium construction
- Thermal and heating elements
- Lighting technology
- Ventilator engineering
- Air-conditioning technology
- Galvanisation technology

### Product features

EWKF:

Initial tear propagation and notch resistance

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

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

### Norm references / Approvals

EN 50525-2-83 (H05SS-F)

### 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:    | ETIM 5.0 Class-ID: EC001578<br>ETIM 5.0 Class-Description: Flexible cable         |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC001578<br>ETIM 6.0 Class-Description: Flexible cable         |
| Core identification code: | Colours according to VDE 0293-308, refer to Appendix T9                           |
| Conductor stranding:      | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5                        |
| Minimum bending radius:   | Occasional flexing: 15 x outer diameter<br>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<br>X = without protective conductor           |
| Temperature range:        | -50 °C to +180 °C<br>(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).

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## ÖLFLEX® HEAT 180 H05SS-F EWKF

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.

**ÖLFLEX® HEAT 180 H05SS-F EWKF**

| 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 H05SS-F EWKF |                                                   |                     |                      |                |
| 0046900                       | 2 X 0.75                                          | 6.4                 | 14.4                 | 54             |
| 0046901                       | 3 G 0.75                                          | 7                   | 21.6                 | 67             |
| 00469023                      | 4 G 0.75                                          | 7.6                 | 28.8                 | 87             |
| 00469033                      | 5 G 0.75                                          | 8.5                 | 36                   | 105            |
| 0046904                       | 2 X 1.0                                           | 6.8                 | 19.2                 | 63             |
| 0046905                       | 3 G 1.0                                           | 7.2                 | 28.8                 | 81             |
| 00469063                      | 4 G 1.0                                           | 7.9                 | 38.4                 | 98             |
| 00469073                      | 5 G 1.0                                           | 8.8                 | 48                   | 121            |
| 0046908                       | 2 X 1.5                                           | 8.4                 | 28.8                 | 84             |
| 0046909                       | 3 G 1.5                                           | 8.9                 | 43.2                 | 103            |
| 00469103                      | 4 G 1.5                                           | 9.9                 | 57.6                 | 128            |
| 00469113                      | 5 G 1.5                                           | 10.9                | 72                   | 154            |
| 0046912                       | 2 X 2.5                                           | 9.8                 | 48                   | 141            |
| 0046913                       | 3 G 2.5                                           | 10.4                | 72                   | 158            |
| 00469143                      | 4 G 2.5                                           | 11.6                | 96                   | 195            |
| 00469153                      | 5 G 2.5                                           | 12.9                | 120                  | 241            |
| 0046916                       | 3 G 4.0                                           | 12.3                | 115.2                | 239            |
| 00469173                      | 4 G 4.0                                           | 13.7                | 153.6                | 312            |
| 0046919                       | 3 G 6.0                                           | 14                  | 172.8                | 345            |
| 00469203                      | 4 G 6.0                                           | 15.6                | 230.4                | 451            |