# ÖLFLEX® HEAT 180 GLS

Steel-armoured silicone cables for increased mechanical stress

ÖLFLEX® HEAT 180 GLS - steel-armoured silicone power and control cable for use in machines, plant construction and toolbuilding for temperatures up to +180 °C

## Info
Protected against thermal and mechanical loads

Halogen-free

Cold-resistant

Mechanical resistance

Temperature-resistant

## Benefits
Close-meshed braid made of galvanised steel wires protects against mechanical damage
Longer durability in harsh applications than conventional silicone cables
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 and glass works
- Cement and ceramic works
- Foundries
- Shipbuilding industry
- Furnace construction


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## Product features

Halogen-free (IEC 60754-1), no corrosive gases (IEC 60754-2), flame-retardant (IEC 60332-1-2)
Only suitable for use in dry conditions
Adequate ventilation must be ensured, since the mechanical properties of silicone cables decrease from +100 °C in the absence of air

## Product Make-up

Fine-wire, tinned-copper conductor
Silicone-based core insulation
Cores twisted together
Silicone-based outer sheath,
colour red-brown
Glass fibre wrapping
Galvanised steel wire braiding

## 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<br>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: 20 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
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 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.


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| Article number | Number of cores and mm² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| ÖLFLEX® HEAT 180 GLS | | | | |
| 0046201 | 2 X 0.75 | 7.6 | 14.4 | 84 |
| 0046202 | 3 G 0.75 | 8 | 21.6 | 96 |
| 00462033 | 4 G 0.75 | 8.8 | 28.8 | 118 |
| 00462043 | 5 G 0.75 | 9.7 | 36 | 145 |
| 0046205 | 6 G 0.75 | 10.4 | 43.2 | 167 |
| 0046206 | 7 G 0.75 | 10.4 | 50.4 | 171 |
| 0046207 | 2 X 1.0 | 7.8 | 19.2 | 92 |
| 0046208 | 3 G 1.0 | 8.2 | 28.8 | 106 |
| 00462093 | 4 G 1.0 | 9.1 | 38.4 | 132 |
| 00462103 | 5 G 1.0 | 10 | 48 | 161 |
| 0046212 | 7 G 1.0 | 10.7 | 67 | 205 |
| 0046213 | 2 X 1.5 | 8.8 | 29 | 119 |
| 0046214 | 3 G 1.5 | 9.2 | 43 | 140 |
| 00462153 | 4 G 1.5 | 10 | 57.6 | 168 |
| 00462163 | 5 G 1.5 | 10.8 | 72 | 212 |
| 0046218 | 7 G 1.5 | 11.8 | 101 | 255 |
| 0046237 | 12 G 1.5 | 15.4 | 173 | 433 |
| 0046219 | 2 X 2.5 | 10 | 48 | 162 |
| 0046220 | 3 G 2.5 | 10.9 | 72 | 217 |
| 00462213 | 4 G 2.5 | 12 | 96 | 260 |
| 00462223 | 5 G 2.5 | 13 | 120 | 310 |
| 0046224 | 7 G 2.5 | 14 | 168 | 362 |
| 0046226 | 3 G 4.0 | 12.9 | 115 | 300 |
| 00462273 | 4 G 4.0 | 14 | 154 | 365 |
| 00462283 | 5 G 4.0 | 15.4 | 192 | 446 |
| 00462313 | 4 G 6.0 | 16.1 | 230 | 500 |
| 00462343 | 4 G 10.0 | 20.8 | 384 | 807 |
| 00462353 | 4 G 16.0 | 22.8 | 614 | 1117 |


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