

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 Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® HEAT 180 GLS

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 ETIM 5.0 Class-Description: Flexible cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable |
| Core identification code: | Colours according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers |
| Conductor stranding: | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5 |
| Minimum bending radius: | Occasional flexing: 20 x outer diameter Fixed installation: 4 x outer diameter |
| Nominal voltage: | U ₀ /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) |

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 mm ² 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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