

Expanded ambient temperatures

Silicone cables (-50°C to +180°C)



## ÖLFLEX® HEAT 180 GLS

Steel-armoured silicone cables for increased mechanical stress



**Info**

- Protected against thermal and mechanical loads

**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 SiO<sub>2</sub> 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

**Product features**

- Halogen-free and flame-retardant (IEC 60332-1-2)
- Only suitable for use in dry conditions

**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 5.0 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: 20 x outer diameter  
Fixed installation: 4 x outer diameter

**Nominal voltage**  
U<sub>0</sub>/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 <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® HEAT 180 GLS</b>				
0046201	2 X 0.75	7.6	14.4	84
0046202	3 G 0.75	8.0	21.6	96
00462033	4 G 0.75	8.8	28.8	118
00462043	5 G 0.75	9.7	36.0	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	7.8	19.2	92
0046208	3 G 1	8.2	28.8	106
00462093	4 G 1	9.1	38.4	132
00462103	5 G 1	10.0	48.0	161
0046212	7 G 1	10.7	67.0	205
0046213	2 X 1.5	8.8	29.0	119
0046214	3 G 1.5	9.2	43.0	140
00462153	4 G 1.5	10.0	57.6	168

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
00462163	5 G 1.5	10.8	72.0	212
0046218	7 G 1.5	11.8	101.0	255
0046237	12 G 1.5	15.4	173.0	433
0046219	2 X 2.5	10.0	48.0	162
0046220	3 G 2.5	10.9	72.0	217
00462213	4 G 2.5	12.0	96.0	260
00462223	5 G 2.5	13.0	120.0	310
0046224	7 G 2.5	14.0	168.0	362
0046226	3 G 4	12.9	115.0	300
00462273	4 G 4	14.0	154.0	365
00462283	5 G 4	15.4	192.0	446
00462313	4 G 6	16.1	230.0	500
00462343	4 G 10	20.8	384.0	807
00462353	4 G 16	22.8	614.0	1117

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](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).  
Photographs are not to scale and do not represent detailed images of the respective products.

**Similar products**

- ÖLFLEX® HEAT 260 GLS refer to page 176

ÖLFLEX® UNITRONIC® ETHERLINE® HITRONIC® EPIC® SKINTOP® SILVYN® FLEXIMARK® ACCESSORIES APPENDIX