

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

Last Update (24.04.2024)

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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)
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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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