

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 SiO₂ 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

Last Update (01.05.2024)

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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

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- 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 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
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter 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 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).

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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 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