HITRONIC®



Expanded ambient temperatures Silicone cables (-50°C to +180°C)





Harmonised use in Europe













ÖLFLEX® HEAT 180 H05SS-F EWKF

Europe-wide standardised silicone connection cables with increased mechanical performance

ÖLFLEX® HEAT 180 H05SS-F EWKF < HAR > CE



Benefits

cables

space is limited

the conductor

Application range

International use in combination with proven EWKF quality

· Notch and tear-resistant silicone com-

• For harsh environments, more durable

Flexibility simplifies installation where

Possesses insulating properties after

combustion due to remaining SiO2 ash on

Areas with high ambient temperatures and

- Bakery equipment and industrial furnaces

occasionally mechanical stress

- Steel, ceramic and iron works

- Sauna/solarium construction

- Thermal and heating elements

- Air-conditioning technology

- Galvanisation technology

Typical fields of application

- Electric motor industry

- Lighting technology

- Ventilator engineering

pounds reduce damage due to mechanical

than conventional H05SS-F standardised

Product features

- Halogen-free and 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

• EWKF:

Initial tear propagation and notch resistance

■ Norm references / Approvals

EN 50525-2-83 (H05SS-F)

Product make-up

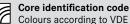
- Fine-wire, tinned-copper conductor
- · Core insulation: based on EWKF silicone
- Cores twisted together
- Outer sheath: silicone-based EWKF, notchresistant, black

■ Technical data

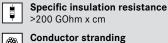
Classification

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ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable

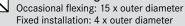


Colours according to VDE 0293-308, refer to Appendix T9



Fine wire according to VDE 0295 Class

5 / IEC 60228 Class 5 Minimum bending radius



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)

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	7.0	21.6	67
00469023	4 G 0.75	7.6	28.8	87
00469033	5 G 0.75	8.5	36.0	105
0046904	2 X 1	6.8	19.2	63
0046905	3 G 1	7.2	28.8	81
00469063	4 G 1	7.9	38.4	98
00469073	5 G 1	8.8	48.0	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	72.0	154
0046912	2 X 2.5	9.8	48.0	141
0046913	3 G 2.5	10.4	72.0	158
00469143	4 G 2.5	11.6	96.0	195
00469153	5 G 2.5	12.9	120.0	241
0046916	3 G 4	12.3	115.2	239
00469173	4 G 4	13.7	153.6	312
0046919	3 G 6	14.0	172.8	345
00469203	4 G 6	15.6	230.4	451

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

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 180 EWKF refer to page 170
- ÖLFLEX® HEAT 180 EWKF C refer to page 171

