


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® HEAT 180 H05SS-F EWKF	29.11.2013

Europe-wide standardised silicone connection cables with increased mechanical performance
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



Halogen-free



Cold-resistant



Temperature-resistant



UV-resistant

Info

International use in combination with proven EWKF quality

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- Sauna/solarium construction- Thermal and heating elements- Lighting technology- Ventilator engineering- Air-conditioning technology- Galvanisation technology

Design

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


Norm references / Approvals

EN 50525-2-83 (H05SS-F)

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

Product Management	Document: LAPP_PRO150EN.pdf	1 / 3
--------------------	-----------------------------	-------

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® HEAT 180 H05SS-F EWKF	29.11.2013

Remark

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 \leq 30 kg or \leq 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.

Technical Data

Core identification code:	Colours according to VDE 0293-308, refer to Appendix T9
Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Specific insulation resistance:	$>200 \text{ GOhm} \times \text{cm}$
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:	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)

Product Management	Document: LAPP_PRO150EN.pdf	2 / 3
--------------------	-----------------------------	-------

ÖLFLEX® HEAT 180 H05SS-F EWKF

29.11.2013

Part number	Number of cores and mm² 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