0046900	DATA SHEET	LAPP
valid from: 01.01.2019	ÖLFLEX® HEAT 180 H05SS-F EWKF	

Application

ÖLFLEX® HEAT 180 H05SS-F EWKF are silicone cables designed for use as power and control cables at high ambient temperatures. The use of these cables is recommended for example in the following fields: Steel and iron works, cement and ceramic works, foundries, bakery equipment, electric motor industry, sauna and solarium construction, thermal and heating elements, lighting technology, ventilator engineering, air conditioning technology, oven construction, galvanization technology and polymer processing.

The product is certified by a member of CENELEC and is marked with ⊲HAR⊳.

Design

Design	nach EN 50525-2-83 bzw. VDE 0285-525-2-83
Certification	H05SS-F acc. to EN 50525-2-83 resp. VDE 0285-525-2-83
Conductor	fine wire strand of tinned copper acc.to IEC 60228 resp. VDE 0295, class 5
Insulation	silicone compound EI2 acc. to VDE 0207-363-1, EWKF-quality
Core identification code	starting at 3 cores with GN/YE ground conductor up to 5 cores coloured acc. to VDE 0293-308
Stranding	cores are stranded in layers
Outer sheath	silicone compound EM9 acc. to VDE 0207-363-2-1, EWKF-quality colour: black, similar RAL 9005

Electrical properties at 20°C

Specific volume resistivity	> 200 GΩ x cm
Rated voltage	U_0/U: 300/500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x outer diameter fixed installation: 4 x outer diameter
Temperature range	occasional flexing: -50 °C bis +180 °C fixed installation: -50 °C bis +180 °C
Flammability	flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2
Halogen free	acc. to IEC 60754-1
Corrosivity of gases	acc. to IEC 60754-2
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

We reserve all rights according to DIN ISO 16016.