

<b>0047000</b>	<b>DATA SHEET</b>	
<b>valid from: 01.08.2024</b>	<b>ÖLFLEX® HEAT 180 SiF</b>	

## Application

ÖLFLEX® HEAT 180 SiF are silicone-single cores and recommended for use in the case of raised ambient temperatures under sufficient ventilation and small mechanical stress.

ÖLFLEX® HEAT 180 SiF are largely resistant to oil, alcohol, acids, caustic solutions, salt solutions and salt water.

Typical fields of application: control cabinet manufacturing, appliances and apparatus engineering, electric motor industry, sauna/solarium construction, thermal and heating elements, lighting technology, ventilator engineering, air-conditioning technology, furnace construction, polymer processing, generator and transformer manufacturing.

## Design

Certification	Classification of fire behaviour acc. to EN 13501-6 and EN 50575 (article/dimension range see <a href="http://www.lappkabel.com/cpr">www.lappkabel.com/cpr</a> )
Conductor	fine wire strands of tinned copper acc. to IEC 60228 resp. EN 60228, class 5
Insulation	silicone compound EI2 acc. to EN 50363-1
Core identification code	Available core colours: GN-YE / BK / BU / BN / YE / GN / VT / PK / OG / RD / WH / GR

## Electrical properties at 20 °C

Specific volume resistivity	> 200 GΩ x cm
Nominal voltage	300 / 500 V
Test voltage	2000 V

## Mechanical and thermal properties

Minimum bending radius	fixed installation: 6 x outer diameter One bend at end of core: 3 x outer diameter
Temperature range	fixed installation: -50 °C bis +180 °C (adequate ventilation provided) temporary: +200 °C
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
Halogen free	acc. to IEC 60754-1 resp. EN 60754-1
Corrosivity of gases	acc. to IEC 60754-2 resp. EN 60754-2

**Tests** acc. to IEC 60811 resp. EN 60811, EN 50395

**General requirements** These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive).

A part of these cables (see [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).

**Environmental information** These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

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