

0047000	DATA SHEET	
valid from: 01.08.2024	ÖLFLEX® HEAT 180 SiF	

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 www.lappkabel.com/cpr)
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) 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).

Creator: LABU / PDC	Document: DB0047000EN	Page 1 of 1
Released: ALTE / PDC	Version: 03	