

0065101	<b>DATA SHEET</b>	
valid from: 01.01.2019	<b>ÖLFLEX® HEAT 180 SiF/GL</b>	

### Application

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

ÖLFLEX® HEAT 180 SiF/GL 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

Conductor	fine wire strands of tinned copper acc. to IEC 60228 resp. VDE 0295, Class 5
Insulation	Silicone based compound EI2 in acc. to EN 50525-1 resp. VDE 0285-525-1
Core identification code	white, with natural glass fibre braiding

### Electrical properties at 20°C

Rated voltage	300 / 500 V
Test voltage	2000 V AC

### Mechanical and thermal properties

Minimum bending radius	occasional flexing: 15 x cable Ø fixed installation: 6 x cable Ø
Temperature range	-50 °C up to +180 °C max. conductor temperature Adequate ventilation must be ensured, since the mechanical properties of silicone cables decrease from +100°C in the absence of air.
Flammability	flame retardant acc. to IEC 60332-1-2 after combustion a SiO <sub>2</sub> -ash skeleton remains, which has still good insulation properties but has no mechanical stability.
Halogen free	acc. to IEC 60754-1
Corrosivity of gases	acc. to IEC 60754-2
Tests	acc. to IEC 60811
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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