



<b>DATA SHEET</b>	0047000
<b>ÖLFLEX® HEAT 180 SiF</b>	valid from : 10.12.2007

## Application

ÖLFLEX® HEAT 180 SiF are silicone-single cores and recommended for use in the case of high ambient temperatures under sufficient ventilation and low mechanical stress. In the case of room temperature, ÖLFLEX® HEAT 180 SiF is largely resistant against oil, alcohol, acids, caustic solutions, salt solutions and salt water.

## Design

Conductor	fine wire strand of tinned copper acc. to IEC 60228 resp. VDE 0295, class 5
Core insulation	Silicone based compound EI2 acc. to HD 22.1 resp. VDE 0282-1
Core identification	coloured

## Electrical properties at 20 °C

Nominal voltage	300 / 500 V
Test voltage	2000 V AC

## Mechanical and thermal properties

Temperature range	-50 °C up to +180 °C max. conductor temperature pay attention to sufficient ventilation, if ignoring the max. conductor temperature is +100 °C.
Min. bending radius	6 x cable diameter for fixed installation 15 x cable diameter for flex. applications
Flammability	flame retardant in acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2 after combustion a SiO <sub>2</sub> -ash skeleton remains, which has still good insulation properties but has no more any mechanical stability.
Halogen-free	acc. to IEC 60754-1 resp. VDE 0472 part 815
Corrosivity	acc. to IEC 60754-2 resp. VDE 0482 part 267-2-3
Tests	in acc. to IEC 60811-x-x resp. VDE 0473 part 811-x-x, VDE 0472
EC directive	this cable confirms to ECD 2006/95/EC (low voltage directive).

elaborated by: TE-K: M. Herb / R. Krämer	Document: DB0047000EN	page 1 of 1
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