

**ÖLFLEX® HEAT 180 SiF****DB0047000**

valid from: 23.03.2011

**Application**

ÖLFLEX® HEAT 180 SiF are silicone-single cores designed for use at high ambient temperatures under adequate ventilation and low mechanical stress. They are resistant against oil, alcohol, acids, caustic solutions, salt solution and salt water at room temperature. The combustion gases are halogen-free and non-corrosive.

**Design**

|            |                                                                                                                                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor  | fine strands of tinned copper wires, acc. to EN 60228 or VDE 0295, class 5                                                                    |
| Insulation | silicone compound EI2 acc. to VDE 0207-363-1<br>Available core colours::<br>GN-YE / BK / BU / BN / BG / YE / GN / VT / PK / OG / RD / WH / GR |

**Electrical properties at 20°**

|                       |               |
|-----------------------|---------------|
| Insulation resistance | > 200 GΩ x cm |
| Rated voltage         | 300/500 V     |
| Test voltage          | 2000 V        |

**Mechanical and thermal properties**

|                      |                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bending radius       | fixed installation: 6 x core Ø<br>One bend at end of core: 3 x core Ø                                                                                        |
| Temperature range    | fixed installation: -50 °C bis +180 °C<br>(adequate ventilation provided)<br>temporary: +200 °C                                                              |
| Flammability         | flame retardant in acc. with IEC 60332-1-2                                                                                                                   |
| Halogen free         | in acc. with IEC 60754-1                                                                                                                                     |
| Corrosivity of gases | in acc. with IEC 60754-2                                                                                                                                     |
| EC directive         | This cable is conform to the EC-Directives 2006/95/EC (Low Voltage Directive) and 2002/95/EC (RoHS, Restriction of the use of certain hazardous substances). |