Application

ÖLFLEX® HEAT 180 SiHF are silicone cables designed for use as power and control cables at high ambient temperatures. The use of these cables is recommended for example in the following fields:

Steel and iron works, cement and ceramic works, foundries, bakery equipment, electric motor industry, sauna and solarium construction, thermal and heating elements, lighting technology, ventilator engineering, air conditioning technology, oven construction, galvanization technology and polymer processing.

Design

Design based on EN 50525-2-83 resp. VDE 0285-525-2-83
Conductor fine wire strands of tinned copper acc. to IEC 60228 resp. VDE 0295, Class 5
Insulation silicone compound EI2 acc. to VDE 0207-363-1
Core identification code starting at 3 cores with GN/YE ground conductor
up to 5 cores coloured acc. to VDE 0293-308
starting at 6 cores: Black cores with white numbers
Stranding cores are stranded in layers
7-core cables with 1+6 stranding
Outer sheath silicone compound EM9 acc. to VDE 0207-363-2-1
Coral red like RAL 3016

Electrical properties at 20°C

Nominal voltage 300/500 V
Test voltage core/core: 2000 V

Mechanical and thermal properties

Minimum bending radius occasional flexing: 15 x cable Ø
fixed installation: 4 x cable Ø
Temperature range occasional flexing: -25°C bis +180°C
(adequate ventilation provided)
fixed installation: -60°C bis +180°C
Flammability flame retardant acc. to IEC 60332-1-2
Halogen free acc. to IEC 60754-1
Corrosivity of gases acc. to IEC 60754-2
Tests acc. to IEC 60811, EN 50395, EN 50396
General requirements These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)