ÖLFLEX® HEAT 180 EWKF

Silicone cables with increased mechanical characteristics

Longer durability in harsh applications than conventional silicone cables; Notch and tear-resistant silicone compounds reduce damage due to mechanical stress; Due to the use of special additives in EWKF silicone, armoured cable versions will not be required; Flexibility simplifies installation where space is limited; Possesses insulating properties after combustion due to remaining SiO2 ash on the conductor

- Proven notch-resistant EWKF quality

CE

RoHS

Product description

Application range

- Areas with high ambient temperatures and occasionally mechanical stress
- Typical fields of application
  - Steel, ceramic and iron works
  - Bakery equipment and industrial furnaces
  - Electric motor industry
  - Sauna/solarium construction
  - Thermal and heating elements
  - Lighting technology
  - Ventilator engineering
  - Air-conditioning technology
  - Galvanisation technology

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Benefits

- Longer durability in harsh applications than conventional silicone cables
- Notch and tear-resistant silicone compounds reduce damage due to mechanical stress
- Due to the use of special additives in EWKF silicone, armoured cable versions will not be required
- Flexibility simplifies installation where space is limited
- Possesses insulating properties after combustion due to remaining SiO2 ash on the conductor

Product Make-up

- Fine-wire, tinned-copper conductor
- Core insulation: based on EWKF silicone
- Cores twisted together
- Outer sheath: silicone-based EWKF, notch-resistant, black

Product features

- Halogen-free and flame-retardant
  (IEC 60332-1-2)
- Good hydrolysis and UV-resistance
- Resistant to a multitude of oils, alcohols, vegetable and animal fats and chemical substances
- EWKF:
  Initial tear propagation and notch resistance

Technical Data

Core identification code	Colours according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Classification	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Conductor stranding	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U_0/U: 300/500 V
Test voltage	2000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	-50 °C to +180 °C (adequate ventilation required)