



Screened silicone cables with increased mechanical characteristics

Longer durability in harsh applications than conventional silicone cables; Notch and tear-resistant outer sheath material reduces mechanical damage; Copper braiding screens the cable against electromagnetic interference; Flexibility simplifies installation where space is limited; Due to the use of special additives in EWKF silicone, armoured cable versions will not be required

- Proven notch-resistant EWKF quality
- EMC compliant copper screening



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

Benefits

- Longer durability in harsh applications than conventional silicone cables
- Notch and tear-resistant outer sheath material reduces mechanical damage
- Copper braiding screens the cable against electromagnetic interference
- Flexibility simplifies installation where space is limited
- Due to the use of special additives in EWKF silicone, armoured cable versions will not be required

Product Make-up

- Fine-wire, tinned-copper conductor
- Cores twisted together
- Silicone-based core insulation
- Silicone-based inner sheath
- Tinned-copper screen braiding, interleaved plastic foil wrapping
- 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

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|--------------------------|---|
| Core identification code | Up to 5 cores: colour-coded 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: 20 x outer diameter Fixed installation: 6 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) |