ÖLFLEX® HEAT 180 C MS

Screened and approved silicone cables for North America (AWM recognized)

Certified for the USA and Canada for export-oriented appliance and apparatus manufacturers; Thicker cable design meets the requirements of the FT-1 flame test and also approved for the external interconnection of apparatuses and appliances; Flexibility simplifies installation where space is limited; Copper braiding screens the cable against electromagnetic interference

- MS = Multi-Standard For use in the USA and Canada
- UL AWM Style 4476 (150 °C/600V)
- EMC compliant copper screening

Product description

Application range

- Areas with high ambient temperatures where insulating and sheath materials of conventional cables will embrittle after a short while
- 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

- Certified for the USA and Canada for export-oriented appliance and apparatus manufacturers
- Thicker cable design meets the requirements of the FT-1 flame test and also approved for the external interconnection of apparatuses and appliances
- Flexibility simplifies installation where space is limited
- Copper braiding screens the cable against electromagnetic interference

Product Make-up

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

Norm references / Approvals

- UL AWM 4476 and cUL AWM II A/B Construction B, External interconnection

Product features

- Metric flexible conductor design
- 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

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 (Refer to Appendix T16 for the matching US conductor sizes in AWG standard)
Minimum bending radius	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	U_0/U: 300/500 V Working voltage UL: 600 V

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Test voltage	2000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	According to VDE: -50 °C to +180 °C Normatively acc. UL Style: up to +150°C (adequate ventilation required)