ÖLFLEX® HEAT 260 MC

Polytetrafluoroethylene cables for most extreme loads

Space-saving installation due to small cable diameters; Stress crack resistant to frequent ambient temperature fluctuations; Resistant to contact with mostly all highly aggressive chemical media; Low outgassing behaviour; Copper braiding of screened version complies with EMC requirements and protects against electromagnetic interference

- Excellent chemical, thermal andelectrical performance
- Thin, light and robust

CE RoHS

Product description

Application range

- Conventional cables are not designed for use in environments with very high operating temperatures, heavy usage of chemical agents, or tight spaces
- ÖLFLEX® HEAT 260 has proven to be an effective solution in harsh environments such as paint shop lines
- Typical fields of application
  - Industrial furnace construction
  - Foundries
  - Chemical industry
  - Power plant engineering
  - Paint shop line technology
  - Heating elements
  - Polymer processing

- Wind turbine engineering

Benefits

- Space-saving installation due to small cable diameters
- Stress crack resistant to frequent ambient temperature fluctuations
- Resistant to contact with mostly all highly aggressive chemical media
- Low outgassing behaviour
- Copper braiding of screened version complies with EMC requirements and protects against electromagnetic interference

Product Make-up

- Fine-wire strand made of nickel-plated copper
- PTFE-based core insulation
- Cores twisted together
- PTFE-based outer sheath, black

Product features

- ÖLFLEX® HEAT 260 made of PTFE
  - Outstanding resistance against acids, alkalis, solvents, lacquers, petrol, oils and many other chemical media
  - Difficult to inflame
  - High dielectric strength and high abrasion resistance
  - Low water absorption
  - Resistant to microbes
  - Adhesion-free insulation materials
  - Weather and ozone resistant
  - Hydrophobic and dirt-repellent
  - High elongation and tear resistance
  - Resists contact with liquid nitrogen
  - Resistant against hydraulic fluids

Technical Data

Core identification code	Colours according to VDE 0293-308, refer to Appendix T9
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	2500 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor

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Temperature range	Fixed installation: -190°C to +260°C Short-term: up to +300°C