# ÖLFLEX® HEAT 260 C MC

## Copper-screened polytetrafluoroethylene cables for most extreme loads

**Info**

- **Excellent chemical, thermal and electrical performance**
- **Thin, light and robust**
- **EMC compliant copper screening**

### Benefits

- Space and weight-saving installations 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

### 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

### 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

### Product make-up

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

### Technical data

**Classification**
ETIM 5.0 Class-ID: EC001578
ETIM 5.0 Class-Description: Flexible cable

**Core identification code**
Colours according to VDE 0293-308, refer to Appendix T9

**Specific insulation resistance**
> 1 TOhm x cm

**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**
C/C: 2500 V
C/S: 2000 V

**Protective conductor**
G = with GN-YE protective conductor
X = without protective conductor

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

| Article number | Number of cores and mm² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|---|---|---|---|---|
| **ÖLFLEX® HEAT 260 C MC** | | | | |
| 0091330 | 3 G 0.75 | 5.5 | 46.0 | 75 |
| 0091331 | 4 G 0.75 | 5.9 | 51.0 | 87 |
| 0091332 | 3 G 1 | 5.8 | 48.0 | 81 |
| 0091333 | 4 G 1 | 6.4 | 65.0 | 104 |
| 0091334 | 3 G 1.5 | 6.3 | 65.0 | 101 |
| 0091335 | 4 G 1.5 | 7.2 | 86.0 | 134 |
| 0091336 | 5 G 1.5 | 7.8 | 105.0 | 162 |
| 0091337 | 3 G 2.5 | 7.9 | 114.0 | 160 |
| 0091338 | 4 G 2.5 | 8.7 | 140.0 | 204 |
| 0091339 | 5 G 2.5 | 9.4 | 209.0 | 270 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs are not to scale and do not represent detailed images of the respective products.