# Power and control cables

Expanded ambient temperatures • PTFE cables (-190°C to +260°C)



# ÖLFLEX<sup>®</sup> 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
- Due to good electrical and mechanical properties suitable for sensor technology

#### Application range

- · For use in environments with very high operating temperatures, heavy usage of chemical agents or confined 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
- · Sensor systems, e.g. level sensors

#### Product features

- Copper braiding of screened version complies with EMC requirements and protects against electromagnetic interference
- ÖLFLEX<sup>®</sup> 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
- Flame retardant acc. to IEC 60332-1-2

#### 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

ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
<b>Core identification code</b> Colours according to VDE 0293-308, refer to Appendix T9
<b>Conductor stranding</b> 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<sub>0</sub>/U: 300/500 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 mm <sup>2</sup> 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	75		
0091331	4 G 0.75	5.9	51	87		
0091332	3 G 1	5.8	48	81		
0091333	4 G 1	6.4	65	104		
0091334	3 G 1.5	6.3	65	101		
0091335	4 G 1.5	7.2	86	134		
0091336	5 G 1.5	7.8	105	162		
0091337	3 G 2.5	7.9	114	160		
0091338	4 G 2.5	8.7	140	204		
0091339	5 G 2.5	9.4	209	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.  $1 \times 500$  m drum or  $5 \times 100$  m coils). Photographs are not to scale and do not represent detailed images of the respective products

#### Accessories

- SILVYN<sup>®</sup> SSUE refer to page 908
- EASY STRIP stripping and cutting tool refer to page 1004
- · STAR STRIP stripping tool refer to page 1000

SILVYN

FLEXIMARK

ACCESSORIES

ÖLFLEX®

## **Technical data**

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Classification