

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



ÖLFLEX® HEAT 260 MC

Polytetrafluoroethylene cables for most extreme loads



Info

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

Benefits

- Space-saving installation due to small cable diameters
- Stress crack resistant to frequent ambient temperature fluctuations
- Due to good electrical and mechanical properties suitable for sensor technology
- Low outgassing behaviour

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

- 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
- 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
- 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

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

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

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 260 MC				
0091300	2 X 0.5	3.9	9.6	22
0091301	3 G 0.5	4.1	14.4	33
0091302	4 G 0.5	4.5	19.2	45
0091305	2 X 0.75	4.2	14.4	32
0091306	3 G 0.75	4.4	21.6	47
0091307	4 G 0.75	5.1	28.8	58
0091310	2 X 1	4.8	19.2	42
0091311	3 G 1	5.1	28.8	56
0091312	4 G 1	5.8	38.4	71
0091315	3 G 1.5	5.6	43.2	72
0091316	4 G 1.5	6.1	57.6	98
0091317	5 G 1.5	7.0	72	118
0091320	3 G 2.5	7.1	72	87
0091321	4 G 2.5	7.7	96	116
0091322	5 G 2.5	8.5	120	145

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
 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.

Similar products

- ÖLFLEX® HEAT 205 MC refer to page 183

Accessories

- SILVYN® HIPROJACKET refer to page 914
- SILVYN® SSUE refer to page 908
- EASY STRIP stripping and cutting tool refer to page 1004
- STAR STRIP stripping tool refer to page 1000