

Polytetrafluoroethylene cables for most extreme loads

Product Description

Space and weight saving installation due to thin cable diameters; Stress tearing resistant under frequently ambient thermal fluctuations; Low outgassing behaviour; Copper braiding of screened version complies with EMC requirements and protects against electromagnetic interference



Application range

- Various fields of industry wherever very high temperatures, aggressive chemical media or tight spaces rule out the use of conventional cables
- The use of ÖLFLEX® HEAT 260 in harsh environments like for instance in paint shop lines is a proved solution
- 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 and weight saving installation due to thin cable diameters
- Stress tearing resistant under frequently ambient thermal fluctuations
- Low outgassing behaviour
- Copper braiding of screened version complies with EMC requirements and protects against electromagnetic interference

Design

- Fine strands of nickel-plated copper wires
- PTFE based core insulation
- Cores twisted together
- PTFE based outer sheath, colour black

Product features

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



Technical Data

Core identification code

Colour coded according to VDE 0293-308, see 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 cable diameter
Fixed installation: 4 x cable diameter

Rated voltage

U0/U 300/500 V

Test voltage

2500 V

Protective conductor

G = with protective conductor GN/YE
X = without protective conductor

Range of temperature

Fixed installation: -190°C up to +260°C temporary: +300°C

Article List

Part number	Number of cores and mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 260 MC - unscreened				
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	72.0	118
0091320	3 G 2,5	7,1	72.0	87
0091321	4 G 2,5	7,7	96.0	116
0091322	5 G 2,5	8,5	120.0	145

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.



Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (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.