

ÖLFLEX® HEAT 205 MC

Fluorinated ethylene propylene cables for harsh applications

ÖLFLEX® HEAT 205 MC - FEP power cable, robust, chemical resistant and space-saving, for use in machine and plant construction at temperatures: -100°C to +205°C

Info

Good chemical resistance please see Appendix T1

Wide temperature application range

Thin, light and robust



Suitable for outdoor use



Good chemical resistance



Flame-retardant



Cold-resistant



Low weight



Oil-resistant



Acid-resistant



Temperature-resistant

Last Update (25.05.2023)

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® HEAT 205 MC



UV-resistant

Benefits

Space and weight-saving installations due to small cable diameters
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

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 205 made of FEP

- Outstanding resistance against acids, 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
 - Resistant against hydraulic fluids
- Flame-retardant

Product Make-up

Fine-wire, tinned-copper conductor
FEP-based core insulation
Cores twisted together
FEP-based outer sheath, black

Technical Data

Classification ETIM 5:

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

Classification ETIM 6:

ETIM 6.0 Class-ID: EC001578
ETIM 6.0 Class-Description: Flexible cable

Core identification code:

Up to 5 cores: colour-coded acc. to VDE 0293-308
From 7 cores: ÖLFLEX® colour-codes, refer to Appendix T7

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| | |
|-------------------------|---|
| Conductor stranding: | Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm ² |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter |
| Nominal voltage: | U0/U: 300/500 V |
| Test voltage: | 2500 V |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| Temperature range: | Fixed installation: -100 °C to +205 °C |

Note

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 and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

ÖLFLEX® HEAT 205 MC

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® HEAT 205 MC | | | | |
| 0091200 | 2 X 0.25 | 3.1 | 5 | 17.2 |
| 0091201 | 3 G 0.25 | 3.3 | 7.5 | 22.2 |
| 00912023 | 4 G 0.25 | 3.6 | 10 | 27.5 |
| 0091210 | 2 X 0.5 | 3.8 | 9.8 | 21.6 |
| 0091211 | 3 G 0.5 | 4 | 14.7 | 32.8 |
| 00912123 | 4 G 0.5 | 4.4 | 19.6 | 44.4 |
| 0091220 | 2 X 0.75 | 4.2 | 14.4 | 31.5 |
| 0091221 | 3 G 0.75 | 4.6 | 21.6 | 46.1 |
| 00912223 | 4 G 0.75 | 4.9 | 29 | 57.9 |
| 0091230 | 2 X 1.0 | 4.5 | 19 | 41.6 |
| 0091231 | 3 G 1.0 | 4.8 | 29 | 55.6 |
| 00912323 | 4 G 1.0 | 5.3 | 38 | 70 |
| 0091100 | 3 G 1.5 | 5.6 | 43 | 70 |
| 00911033 | 4 G 1.5 | 6.1 | 58 | 98 |
| 00911013 | 5 G 1.5 | 6.8 | 72 | 117 |
| 0091102 | 7 G 1.5 | 7.4 | 101 | 184 |
| 0091236 | 3 G 2.5 | 6.6 | 72 | 86 |
| 00912353 | 4 G 2.5 | 7.3 | 96 | 115 |
| 00912373 | 5 G 2.5 | 8.2 | 120 | 144 |
| 00912423 | 4 G 4.0 | 8.7 | 154 | 180 |
| 00912433 | 5 G 4.0 | 9.6 | 192 | 225 |

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