

## 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

Wide temperature application range

Thin, light and robust



UV-resistant



Temperature-resistant



Acid-resistant



Oil-resistant



Low weight



Good chemical resistance



Suitable for outdoor use



Flame-retardant

Last Update (01.02.2017)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## ÖLFLEX® HEAT 205 MC



Cold-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 acc. to IEC 60332-1-2

### Product Make-up

Fine-wire, tinned-copper conductor

FEP-based core insulation

Cores twisted together

FEP-based outer sheath, black

## ÖLFLEX® HEAT 205 MC

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 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
Conductor stranding:	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm <sup>2</sup>
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
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](http://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.

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

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)
ÖLFLEX® HEAT 205 MC			
0091200	2 X 0.25	3.1	5
0091201	3 G 0.25	3.3	7.5
00912023	4 G 0.25	3.6	10
0091210	2 X 0.5	3.8	9.8
0091211	3 G 0.5	4	14.7
00912123	4 G 0.5	4.4	19.6
0091220	2 X 0.75	4.2	14.4
0091221	3 G 0.75	4.6	21.6
00912223	4 G 0.75	4.9	29
0091230	2 X 1	4.5	19
0091231	3 G 1	4.8	29
00912323	4 G 1	5.3	38
0091100	3 G 1.5	5.6	43
00911033	4 G 1.5	6.1	58
00911013	5 G 1.5	6.8	72
0091102	7 G 1.5	7.4	101
0091236	3 G 2.5	6.6	72
00912353	4 G 2.5	7.3	96
00912373	5 G 2.5	8.2	120
00912423	4 G 4	8.7	154
00912433	5 G 4	9.6	192

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