ÖLFLEX® HEAT 205 C MC PTFE/FEP

4-cored version with PTFE insulation and special core identity code

ÖLFLEX® HEAT 205 PTFE/FEP - shielded FEP power cable, robust, chemical resistant and space-saving, suitable for expanded temperatures from -100 °C up to +205 °C

Info
EMC compliant copper screening

- Suitable for outdoor use
- Good chemical resistance
- Flame-retardant
- Cold-resistant
- Low weight
- Oil-resistant
- Acid-resistant
- Interference signals
- Temperature-resistant

Last Update (15.05.2025)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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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, silver-plated copper conductor
PTFE-based core insulation
Cores twisted together
Tinned-copper braiding
Outer sheath: FEP-based, white

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:	Blue, red, grey, black

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Conductor stranding:	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm²
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	C/C: 2500 V C/S: 2000 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.
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.

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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30016373	4 X 0.75	5.9	49	78