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
ÖLFLEX® HEAT 205 C MC PTFE/FEP

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

Last Update (03.09.2020)
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You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16
**ÖLFLEX® HEAT 205 C MC PTFE/FEP**

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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<table>
<thead>
<tr>
<th>Article number</th>
<th>ÖLFLEX® HEAT 205 C MC PTFE/FEP</th>
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<tbody>
<tr>
<td>Number of cores and mm² per conductor</td>
<td>4 X 0.75</td>
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<tr>
<td>Outer diameter [mm]</td>
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<td>Copper index (kg/km)</td>
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<tr>
<td>Weight (kg/km)</td>
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