



## ÖLFLEX® HEAT 205 SC

For very high and low temperature requirements

**Info**

- Thermal and chemical resistance
- Space and weight-saving
- FEP = fluorinated ethylene propylene



### Benefits

- Small outer diameters for maximum saving of space and weight
- Resistant to contact with mostly all highly aggressive chemical media

### Application range

- Conventional cables are not designed for use in environments with very high operating temperatures, heavy usage of chemical agents, or tight spaces
- Typical fields of application
  - Control cabinets with high heat generation
  - Measuring instruments
  - Furnaces and brickworks
  - Heating equipment and kitchen appliances
  - Electric motor building
  - Installations in the chemical industry

### 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

### Product make-up

- Fine-wire, tinned-copper conductor
- FEP core insulation

### Technical data

- Classification**  
 ETIM 5.0 Class-ID: EC000993  
 ETIM 5.0 Class-Description: Single core cable
- Specific insulation resistance**  
 >2 TOhm x cm
- Conductor stranding**  
 Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm<sup>2</sup>
- Minimum bending radius**  
 Fixed installation: 4 x outer diameter
- Nominal voltage**  
 U<sub>0</sub>/U: 300/500 V
- Test voltage**  
 2500 V
- Temperature range**  
 Fixed installation: -100°C to +205°C

Conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	brown	black	grey	blue	green/yellow	orange	white
0.14	1.0	1.3	2.6		0080001		0080002			0080105
0.25	1.2	2.4	4	0081003	0081001	0081106	0081002		0081009	0081105
0.5	1.4	4.8	6.8	0082003	0082001	0082106	0082002	0082000	0082009	0082105
0.75	1.8	7.2	10.1	0083003	0083001		0083002	0083000		0083105
1	1.9	9.6	12.8	0084003	0084001	0084106	0084002	0084000		0084105
1.5	2.1	14.4	18	0085003	0085001		0085002	0085000		0085105
2.5	2.6	24.0	29.5	0086003	0086001	0086106	0086002	0086000		0086105
4	3.1	38.0	45	0087003	0087001		0087002	0087000		0087105
6	3.8	58.0	68	0088003	0088001		0088002	0088000		
10	4.7	96.0	116	0089003	0089001	0089106	0089002	0089000		0089105
16	6.6	154.0	175		0090001		0090002	0090000		

Conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	green	yellow	violet	red	transparent	pink
0.14	1.0	1.3	2.6	0080006	0080005		0080104	0080010	
0.25	1.2	2.4	4	0081006	0081005		0081104	0081010	
0.5	1.4	4.8	6.8	0082006	0082005	0082007	0082104	0082010	
0.75	1.8	7.2	10.1	0083006	0083005		0083104	0083010	0083008
1	1.9	9.6	12.8	0084006	0084005	0084007	0084104	0084010	
1.5	2.1	14.4	18		0085005		0085104	0085010	
2.5	2.6	24.0	29.5			0086007	0086104	0086010	
4	3.1	38.0	45		0087005		0087104	0087010	
6	3.8	58.0	68				0088104	0088010	
10	4.7	96.0	116				0089104	0089010	
16	6.6	154.0	175				0090104		

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to catalogue appendix T 17 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 100m

Available as original coil goods only

Also available on large spools and non-returnable drums.

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

Article number index of core colours: 000 = green-yellow; 001 = black; 002 = blue; 003 = brown; 005 = yellow; 006 = green; 007 = violet; 008 = pink; 009 = orange; 010 = transparent; 104 = red; 105 = white; 106 = grey

Other colours are available upon request

### Similar products

- ÖLFLEX® HEAT 260 SC refer to page 184

### Accessories

- UNIVERSAL STRIP stripping and cutting tool refer to page 910
- KT 11 cable shears refer to page 907