

For very high and low temperature requirements

### Product Description

Thin outer diameters for maximum saving of space and weight; Low outgassing behaviour



### Application range

- Various applications in very high ambient temperatures, aggressive chemical media or tight spaces which rule out the use of conventional cores
- Typical fields of application - Switchgear cabinets with high heat generation - Measuring instruments - Furnaces and brickworks - Heating equipment and kitchen appliances - Electric motor building - Installations in the chemical industry

### Benefits

- Thin outer diameters for maximum saving of space and weight
- Low outgassing behaviour

### Design

- Fine strands of tinned copper wires
- FEP core insulation

### 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 - Weather and ozone resistant - Hydrophobic and dirt-repellent - High elongation and tear resistance - Resistant against hydraulic fluids



Technical Data

**Specific insulation resistance**

>2 TOhm x cm

**Conductor stranding**

Fine wire according to VDE 0295, Class 5 / IEC  
60228 Cl. 5 from 0.5 mm<sup>2</sup>

**Minimum bending radius**

Fixed installation: 4 x cable diameter

**Rated voltage**

U0/U 300/500 V

**Test voltage**

2500 V

**Range of temperature**

Fixed installation: -100°C up to +205°C

Article List

Part number	Conductor cross section in mm <sup>2</sup>	Outer diameter in mm	Wire colour	Copper index kg/km	Weight kg/km
0080001	0.14	1.0	black	1.35	2.6
0080002	0.14	1.0	blue	1.35	2.6
0080005	0.14	1.0	yellow	1.35	2.6
0080006	0.14	1.0	green	1.35	2.6
0080010	0.14	1.0	transparent	1.35	2.6
0080104	0.14	1.0	red	1.35	2.6
0080105	0.14	1.0	white	1.35	2.6
0081001	0.25	1,15	black	2.4	4
0081002	0.25	1,15	blue	2.4	4
0081003	0.25	1,15	brown	2.4	4
0081005	0.25	1,15	yellow	2.4	4
0081006	0.25	1,15	green	2.4	4
0081009	0.25	1,15	orange	2.4	4
0081010	0.25	1,15	transparent	2.4	4
0081104	0.25	1,15	red	2.4	4
0081105	0.25	1,15	white	2.4	4
0081106	0.25	1,15	grey	2.4	4
0082000	0.5	1,45	greenyellow	4.8	6.8
0082001	0.5	1,45	black	4.8	6.8
0082002	0.5	1,45	blue	4.8	6.8
0082003	0.5	1,45	brown	4.8	6.8
0082005	0.5	1,45	yellow	4.8	6.8
0082006	0.5	1,45	green	4.8	6.8



0082007	0.5	1,45	purple	4.8	6.8
0082009	0.5	1,45	orange	4.8	6.8
0082010	0.5	1,45	transparent	4.8	6.8
0082104	0.5	1,45	red	4.8	6.8
0082105	0.5	1,45	white	4.8	6.8
0082106	0.5	1,45	grey	4.8	6.8
0083000	0.75	1,75	greenyellow	7.2	10.1
0083001	0.75	1,75	black	7.2	10.1
0083002	0.75	1,75	blue	7.2	10.1
0083003	0.75	1,75	brown	7.2	10.1
0083005	0.75	1,75	yellow	7.2	10.1
0083006	0.75	1,75	green	7.2	10.1
0083008	0.75	1,75	Pink	7.2	10.1
0083010	0.75	1,75	transparent	7.2	10.1
0083104	0.75	1,75	red	7.2	10.1
0083105	0.75	1,75	white	7.2	10.1
0084000	1	1,95	greenyellow	9.6	12.8
0084001	1	1,95	black	9.6	12.8
0084002	1	1,95	blue	9.6	12.8
0084003	1	1,95	brown	9.6	12.8
0084005	1	1,95	yellow	9.6	12.8
0084006	1	1,95	green	9.6	12.8
0084007	1	1,95	purple	9.6	12.8
0084010	1	1,95	transparent	9.6	12.8
0084104	1	1,95	red	9.6	12.8
0084105	1	1,95	white	9.6	12.8
0084106	1	1,95	grey	9.6	12.8
0085000	1.5	2,2	greenyellow	14.4	18
0085001	1.5	2,2	black	14.4	18
0085002	1.5	2,2	blue	14.4	18
0085003	1.5	2,2	brown	14.4	18
0085005	1.5	2,2	yellow	14.4	18
0085010	1.5	2,2	transparent	14.4	18
0085104	1.5	2,2	red	14.4	18
0085105	1.5	2,2	white	14.4	18
0086000	2.5	2,75	greenyellow	24.0	29.5
0086001	2.5	2,75	black	24.0	29.5
0086002	2.5	2,75	blue	24.0	29.5
0086003	2.5	2,75	brown	24.0	29.5
0086007	2.5	2,75	purple	24.0	29.5
0086010	2.5	2,75	transparent	24.0	29.5



0086104	2,5	2,75	red	24.0	29.5
0086105	2.5	2,75	white	24.0	29.5
0086106	2.5	2,75	grey	24.0	29.5
0087000	4	3,3	greenyellow	38.0	45
0087001	4	3,3	black	38.0	45
0087002	4	3,3	blue	38.0	45
0087003	4	3,3	brown	38.0	45
0087005	4	3,3	yellow	38.0	45
0087010	4	3,3	transparent	38.0	45
0087104	4	3,3	red	38.0	45
0087105	4	3,3	white	38.0	45
0088000	6	4,1	greenyellow	58.0	68
0088001	6	4,1	black	58.0	68
0088002	6	4,1	blue	58.0	68
0088003	6	4,1	brown	58.0	68
0088010	6	4,1	transparent	58.0	68
0088104	6	4,1	red	58.0	68
0089000	10	5,45	greenyellow	96.0	116
0089001	10	5,45	black	96.0	116
0089002	10	5,45	blue	96.0	116
0089003	10	5,45	brown	96.0	116
0089010	10	5,45	transparent	96.0	116
0089104	10	5,45	red	96.0	116
0089105	10	5,45	white	96.0	116
0089106	10	5,45	grey	96.0	116
0090000	16	6,7	greenyellow	154.0	175
0090001	16	6,7	black	154.0	175
0090002	16	6,7	blue	154.0	175
0090104	16	6,7	red	154.0	175

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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 ware only

Also available on large spools and non-returnable barrels.

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

Part number index of core colours: 000 =greenyellow / 001 =black / 002 =blue / 003 =brown / 005 = yellow / 006 =green / 007 =purple / 008 =pink / 009 =orange / 010 =transparent / 104 =red / 105 =white / 106 =grey

Other colours on request