For very high and low temperature requirements
Small outer diameters for maximum saving of space and weight
Resistant to contact with mostly all highly aggressive chemical media



Good chemical resistance

Low weight

Oil-resistant

Acid-resistant

Temperature-resistant

UV-resistant

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

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

Design
Fine-wire, tinned-copper conductor
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 materials- Weather and ozone resistant- Hydrophobic and dirt-repellent- High elongation and tear resistance- Resistant against hydraulic fluids

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Remark

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 T17 for the definition and calculation of copper-related surcharges.
Please find our standard lengths at: 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.
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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

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 mm²
Minimum bending radius:	Fixed installation: 4 x outer diameter
Nominal voltage:	U_0/U: 300/500 V
Test voltage:	2500 V
Temperature range:	Fixed installation: -100 °C to +205 °C

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Part number	Conductor cross-section (mm^2)	Outer diameter (mm)	Core 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	1,2	black	2.4	4
0081002	0.25	1,2	blue	2.4	4
0081003	0.25	1,2	brown	2.4	4
0081005	0.25	1,2	yellow	2.4	4
0081006	0.25	1,2	green	2.4	4
0081009	0.25	1,2	orange	2.4	4
0081010	0.25	1,2	transparent	2.4	4
0081104	0.25	1,2	red	2.4	4
0081105	0.25	1,2	white	2.4	4
0081106	0.25	1,2	grey	2.4	4
0082000	0.5	1,45	green/yellow	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	violet	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	1,8	green/yellow	7.2	10.1
0083001	0.75	1,8	black	7.2	10.1
0083002	0.75	1,8	blue	7.2	10.1
0083003	0.75	1,8	brown	7.2	10.1
0083005	0.75	1,8	yellow	7.2	10.1

PN 0486/01_03.10

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Part number	Conductor cross-section (mm^2)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0083006	0.75	1,8	green	7.2	10.1
0083008	0.75	1,8	pink	7.2	10.1
0083010	0.75	1,8	transparent	7.2	10.1
0083104	0.75	1,8	red	7.2	10.1
0083105	0.75	1,8	white	7.2	10.1
0084000	1	1,95	green/yellow	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	violet	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	2,1	green/yellow	14.4	18
0085001	1.5	2,1	black	14.4	18
0085002	1.5	2,1	blue	14.4	18
0085003	1.5	2,1	brown	14.4	18
0085005	1.5	2,1	yellow	14.4	18
0085010	1.5	2,1	transparent	14.4	18
0085104	1.5	2,1	red	14.4	18
0085105	1.5	2,1	white	14.4	18
0086000	2.5	2,6	green/yellow	24.0	29.5
0086001	2.5	2,6	black	24.0	29.5
0086002	2.5	2,6	blue	24.0	29.5
0086003	2.5	2,6	brown	24.0	29.5
0086007	2.5	2,6	violet	24.0	29.5
0086010	2.5	2,6	transparent	24.0	29.5
0086104	2.5	2,6	red	24.0	29.5
0086105	2.5	2,6	white	24.0	29.5
0086106	2.5	2,6	grey	24.0	29.5
0087000	4	3,1	green/yellow	38.0	45

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Part number	Conductor cross-section (mm^2)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
0087001	4	3,1	black	38.0	45
0087002	4	3,1	blue	38.0	45
0087003	4	3,1	brown	38.0	45
0087005	4	3,1	yellow	38.0	45
0087010	4	3,1	transparent	38.0	45
0087104	4	3,1	red	38.0	45
0087105	4	3,1	white	38.0	45
0088000	6	3,8	green/yellow	58.0	68
0088001	6	3,8	black	58.0	68
0088002	6	3,8	blue	58.0	68
0088003	6	3,8	brown	58.0	68
0088010	6	3,8	transparent	58.0	68
0088104	6	3,8	red	58.0	68
0089000	10	4,7	green/yellow	96.0	116
0089001	10	4,7	black	96.0	116
0089002	10	4,7	blue	96.0	116
0089003	10	4,7	brown	96.0	116
0089010	10	4,7	transparent	96.0	116
0089104	10	4,7	red	96.0	116
0089105	10	4,7	white	96.0	116
0089106	10	4,7	grey	96.0	116
0090000	16	6,6	green/yellow	154.0	175
0090001	16	6,6	black	154.0	175
0090002	16	6,6	blue	154.0	175
0090104	16	6,6	red	154.0	175

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