ÖLFLEX® HEAT 205 SC

For very high and low temperature requirements

ÖLFLEX® HEAT 205 SC - FEP single core, robust, chemical resistant and space-saving, for use in machine and plant construction at temperatures: -100 °C to +205 °C

Info
Now available as spools
Thermal and chemical resistance
Space and weight-saving

- Good chemical resistance
- Flame-retardant
- Cold-resistant
- Low weight
- Oil-resistant
- Acid-resistant
- Temperature-resistant
- UV-resistant

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

Application range
For use in environments with very high operating temperatures, heavy usage of chemical agents or confined 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
Flame-retardant
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
FEP = fluorinated ethylene propylene

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000993 ETIM 6.0 Class-Description: Single core cable
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:	U0/U: 300/500 V
Test voltage:	2500 V
Temperature range:	Fixed installation: -100 °C to +205 °C

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Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
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.
Other colours are available upon request

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PRODUCT INFORMATION

Article number	Conductor cross-section (mm²)	Outer diameter [mm]	m/ring	m/spool	Core colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 205 SC							
0080001	0.14	1	100	-	black	1.35	2.6
0080002	0.14	1	100	-	blue	1.35	2.6
0080005	0.14	1	100	-	yellow	1.35	2.6
0080006	0.14	1	100	-	green	1.35	2.6
0080010	0.14	1	100	-	transparent	1.35	2.6
0080104	0.14	1	100	-	red	1.35	2.6
0080105	0.14	1	100	-	white	1.35	2.6
0081001	0.25	1.2	100	-	black	2.4	4
0081002	0.25	1.2	100	-	blue	2.4	4
0081003	0.25	1.2	100	-	brown	2.4	4
0081005	0.25	1.2	100	-	yellow	2.4	4
0081006	0.25	1.2	100	-	green	2.4	4
0081009	0.25	1.2	100	-	orange	2.4	4
0081010	0.25	1.2	100	-	transparent	2.4	4
0081104	0.25	1.2	100	-	red	2.4	4
0081105	0.25	1.2	100	-	white	2.4	4
0081106	0.25	1.2	100	-	grey	2.4	4
0081003S	0.25	1.2	-	500	brown	2.4	4
0081001S	0.25	1.2	-	500	black	2.4	4
0081002S	0.25	1.2	-	500	blue	2.4	4
0081104S	0.25	1.2	-	500	red	2.4	4
0082000	0.5	1.45	100	-	green/yellow	4.8	6.8
0082001	0.5	1.45	100	-	black	4.8	6.8
0082002	0.5	1.45	100	-	blue	4.8	6.8
0082003	0.5	1.45	100	-	brown	4.8	6.8
0082005	0.5	1.45	100	-	yellow	4.8	6.8
0082006	0.5	1.45	100	-	green	4.8	6.8
0082007	0.5	1.45	100	-	violet	4.8	6.8
0082009	0.5	1.45	100	-	orange	4.8	6.8
0082010	0.5	1.45	100	-	transparent	4.8	6.8
0082104	0.5	1.45	100	-	red	4.8	6.8
0082105	0.5	1.45	100	-	white	4.8	6.8
0082106	0.5	1.45	100	-	grey	4.8	6.8

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0082003S	0.5	1.45	-	500	brown	4.8	6.8
0082001S	0.5	1.45	-	500	black	4.8	6.8
0082002S	0.5	1.45	-	500	blue	4.8	6.8
0082104S	0.5	1.45	-	500	red	4.8	6.8
0083000	0.75	1.8	100	-	green/yellow	7.2	10.1
0083001	0.75	1.8	100	-	black	7.2	10.1
0083002	0.75	1.8	100	-	blue	7.2	10.1
0083003	0.75	1.8	100	-	brown	7.2	10.1
0083005	0.75	1.8	100	-	yellow	7.2	10.1
0083006	0.75	1.8	100	-	green	7.2	10.1
0083010	0.75	1.8	100	-	transparent	7.2	10.1
0083104	0.75	1.8	100	-	red	7.2	10.1
0083105	0.75	1.8	100	-	white	7.2	10.1
0083003S	0.75	1.8	-	500	brown	7.2	10.1
0083001S	0.75	1.8	-	500	black	7.2	10.1
0083002S	0.75	1.8	-	500	blue	7.2	10.1
0083000S	0.75	1.8	-	500	green/yellow	7.2	10.1
0083104S	0.75	1.8	-	500	red	7.2	10.1
0084000	1	1.95	100	-	green/yellow	9.6	12.8
0084001	1	1.95	100	-	black	9.6	12.8
0084002	1	1.95	100	-	blue	9.6	12.8
0084003	1	1.95	100	-	brown	9.6	12.8
0084005	1	1.95	100	-	yellow	9.6	12.8
0084006	1	1.95	100	-	green	9.6	12.8
0084007	1	1.95	100	-	violet	9.6	12.8
0084010	1	1.95	100	-	transparent	9.6	12.8
0084104	1	1.95	100	-	red	9.6	12.8
0084105	1	1.95	100	-	white	9.6	12.8
0084106	1	1.95	100	-	grey	9.6	12.8
0084003S	1	1.95	-	500	brown	9.6	12.8
0084001S	1	1.95	-	500	black	9.6	12.8
0084002S	1	1.95	-	500	blue	9.6	12.8
0084000S	1	1.95	-	500	green/yellow	9.6	12.8
0084104S	1	1.95	-	500	red	9.6	12.8

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0085000	1.5	2.1	100	-	green/yellow	14.4	18
0085001	1.5	2.1	100	-	black	14.4	18
0085002	1.5	2.1	100	-	blue	14.4	18
0085003	1.5	2.1	100	-	brown	14.4	18
0085005	1.5	2.1	100	-	yellow	14.4	18
0085010	1.5	2.1	100	-	transparent	14.4	18
0085104	1.5	2.1	100	-	red	14.4	18
0085105	1.5	2.1	100	-	white	14.4	18
0085003S	1.5	2.1	-	500	brown	14.4	18
0085001S	1.5	2.1	-	500	black	14.4	18
0085002S	1.5	2.1	-	500	blue	14.4	18
0085000S	1.5	2.1	-	500	green/yellow	14.4	18
0085104S	1.5	2.1	-	500	red	14.4	18
0086000	2.5	2.6	100	-	green/yellow	24	29.5
0086001	2.5	2.6	100	-	black	24	29.5
0086002	2.5	2.6	100	-	blue	24	29.5
0086003	2.5	2.6	100	-	brown	24	29.5
0086007	2.5	2.6	100	-	violet	24	29.5
0086010	2.5	2.6	100	-	transparent	24	29.5
0086104	2.5	2.6	100	-	red	24	29.5
0086105	2.5	2.6	100	-	white	24	29.5
0086106	2.5	2.6	100	-	grey	24	29.5
0086003S	2.5	2.6	-	500	brown	24	29.5
0086001S	2.5	2.6	-	500	black	24	29.5
0086002S	2.5	2.6	-	500	blue	24	29.5
0086000S	2.5	2.6	-	500	green/yellow	24	29.5
0086104S	2.5	2.6	-	500	red	24	29.5
0087000	4	3.1	100	-	green/yellow	38	45
0087001	4	3.1	100	-	black	38	45
0087002	4	3.1	100	-	blue	38	45
0087003	4	3.1	100	-	brown	38	45
0087005	4	3.1	100	-	yellow	38	45
0087010	4	3.1	100	-	transparent	38	45
0087104	4	3.1	100	-	red	38	45

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0087105	4	3.1	100	-	white	38	45
0088000	6	3.8	-	-	green/yellow	58	68
0088001	6	3.8	-	-	black	58	68
0088002	6	3.8	-	-	blue	58	68
0088003	6	3.8	-	-	brown	58	68
0088010	6	3.8	-	-	transparent	58	68
0088104	6	3.8	-	-	red	58	68
0089000	10	4.7	-	-	green/yellow	96	116
0089001	10	4.7	-	-	black	96	116
0089002	10	4.7	-	-	blue	96	116
0089003	10	4.7	-	-	brown	96	116
0089010	10	4.7	-	-	transparent	96	116
0089104	10	4.7	-	-	red	96	116
0089105	10	4.7	-	-	white	96	116
0089106	10	4.7	-	-	grey	96	116
0090000	16	6.6	-	-	green/yellow	154	175
0090001	16	6.6	-	-	black	154	175
0090002	16	6.6	-	-	blue	154	175
0090104	16	6.6	-	-	red	154	175

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