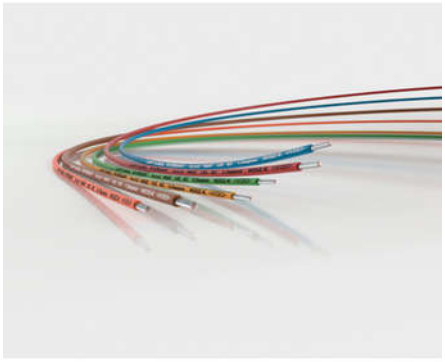
ÖLFLEX® HEAT 125 SC 300/500 V

VDE tested single cores according to EN 50525-3-41 (H05Z-K) for more demanding requirements

ÖLFLEX® HEAT 125 SC - halogen free single core with GL certificate, special fire performance, IEC 60332-3, suitable for +125 °C

Info
CPR: Article number choice under www.lappkabel.com/cpr
VDE-tested and -marked
Improved characteristics in the event of a fire





Flame-retardant

Halogen-free

Cold-resistant

Assembly time

Temperature-resistant

UV-resistant

Benefits
For safety in areas with high density of people
Reduction of flame propagation, density and toxicity of smoke gases in event of fire
Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires

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ÖLFLEX® HEAT 125 SC 300/500 V

Certified for maritime applications

Application range

For the wiring and connection of lighting, heating appliances, control cabinets, and distributors in mechanical and plant engineering
For installation in tubes, on, in and under plaster as well as in closed installation ducts
Coil winding, electromagnets, pumps, electrical systems
Heat treatment plants, pressure die casting, heating and cooling technology
Suitable for assembling cable harnesses and wiring during switch cabinet installation

Product features

Fire behaviour:
- Flame-retardant (IEC 60332-1-2)
- Halogen-free (IEC 60754-1)
- No corrosive gases (IEC 60754-2)
- Low smoke density (IEC 61034-2)
- Low toxicity (EN 50305)

Extended fire behaviour:
H05Z-K (0,5mm² up to 1,0mm²):
see data sheet
H07Z-K (≥ 1,5mm²):
no fire propagation according to IEC 60332-3-24 respectively IEC 60332-3-25
Oil-resistant according to DIN EN 50290-2-22 (TM54)
Abrasion and notch-resistant
UV-resistant according to ISO 4892-2, method A, and ozone resistant acc. to EN 50396 resp. VDE 0473-396, method B

Norm references / Approvals

Type H05Z-K and H07Z-K according to EN 50525-3-41 with advanced features
DNV GL certificate no. TAE00003NF

Product Make-up

Fine-wire, tinned-copper conductor
Electron beam cross-linked polyolefin copolymer insulation

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:	Up to 1.0mm² U0/U 300/500 V From 1.5mm² U0/U 450/750 V 0.6/1kV from 1.5 mm² in the case of fixed and protected installation
Test voltage:	4000 V
Temperature range:	Fixed installation: -55°C to +125°C Temporary (3.000h): up to +145°C

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ÖLFLEX® HEAT 125 SC 300/500 V

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 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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PRODUCT INFORMATION

Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 125 SC - H05Z-K - U_0/U: 300/500 V							
1232000	0.5	2.2	green/yellow	100	-	4.8	8
1232001	0.5	2.2	black	100	-	4.8	8
1232002	0.5	2.2	blue	100	-	4.8	8
1232003	0.5	2.2	brown	100	-	4.8	8
1232005	0.5	2.2	yellow	100	-	4.8	8
1232006	0.5	2.2	green	100	-	4.8	8
1232007	0.5	2.2	violet	100	-	4.8	8
1232009	0.5	2.2	orange	100	-	4.8	8
1232104	0.5	2.2	red	100	-	4.8	8
1232105	0.5	2.2	white	100	-	4.8	8
1232106	0.5	2.2	grey	100	-	4.8	8
1232114	0.5	2.2	dark blue	100	-	4.8	8
1232001K	0.5	2.2	black	-	3000	4.8	8
1233000	0.75	2.4	green/yellow	100	-	7.2	11
1233001	0.75	2.4	black	100	-	7.2	11
1233002	0.75	2.4	blue	100	-	7.2	11
1233003	0.75	2.4	brown	100	-	7.2	11
1233005	0.75	2.4	yellow	100	-	7.2	11
1233006	0.75	2.4	green	100	-	7.2	11
1233007	0.75	2.4	violet	100	-	7.2	11
1233009	0.75	2.4	orange	100	-	7.2	11
1233104	0.75	2.4	red	100	-	7.2	11
1233105	0.75	2.4	white	100	-	7.2	11
1233106	0.75	2.4	grey	100	-	7.2	11
1233114	0.75	2.4	dark blue	100	-	7.2	11
1233003K	0.75	2.4	brown	-	2500	7.2	11
1233001K	0.75	2.4	black	-	2500	7.2	11
1233106K	0.75	2.4	grey	-	2500	7.2	11
1233002K	0.75	2.4	blue	-	2500	7.2	11
1233009K	0.75	2.4	orange	-	2500	7.2	11
1233114K	0.75	2.4	dark blue	-	2500	7.2	11
1233105K	0.75	2.4	white	-	2500	7.2	11
1233104K	0.75	2.4	red	-	2500	7.2	11

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PRODUCT INFORMATION

Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)
1234000	1.0	2.5	green/yellow	100	-	9.6	14
1234001	1.0	2.5	black	100	-	9.6	14
1234002	1.0	2.5	blue	100	-	9.6	14
1234003	1.0	2.5	brown	100	-	9.6	14
1234005	1.0	2.5	yellow	100	-	9.6	14
1234006	1.0	2.5	green	100	-	9.6	14
1234007	1.0	2.5	violet	100	-	9.6	14
1234009	1.0	2.5	orange	100	-	9.6	14
1234104	1.0	2.5	red	100	-	9.6	14
1234105	1.0	2.5	white	100	-	9.6	14
1234106	1.0	2.5	grey	100	-	9.6	14
1234114	1.0	2.5	dark blue	100	-	9.6	14
1234003K	1.0	2.5	brown	-	2500	9.6	14
1234001K	1.0	2.5	black	-	2500	9.6	14
1234106K	1.0	2.5	grey	-	2500	9.6	14
1234002K	1.0	2.5	blue	-	2500	9.6	14
1234000K	1.0	2.5	green/yellow	-	2500	9.6	14
1234009K	1.0	2.5	orange	-	2500	9.6	14
1234114K	1.0	2.5	dark blue	-	2500	9.6	14
1234105K	1.0	2.5	white	-	2500	9.6	14
1234104K	1.0	2.5	red	-	2500	9.6	14

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