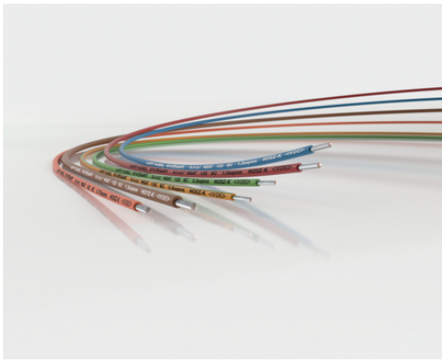
ÖLFLEX® HEAT 125 SC

VDE tested single cores according to EN 50525-3-41 (H05Z-K & H07Z-K) for more demanding requirements

ÖLFLEX® HEAT 125 C MC - 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



UV-resistant

Temperature-resistant

Assembly time

Halogen-free

Flame-retardant

Cold-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

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ÖLFLEX® HEAT 125 SC

Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires
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

Norm references / Approvals

Type H05Z-K and H07Z-K according to EN 50525-3-41 with advanced features
Germanischer Lloyd (GL)
certificate no. 11118-14HH

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

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Temporary (3.000h): up to +145 °C

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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ÖLFLEX® HEAT 125 SC

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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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
ÖLFLEX® HEAT 125 SC - H07Z-K - U_0/U: 450/750 V							
1235000	1.5	3	green/yellow	100	-	14.4	21
1235001	1.5	3	black	100	-	14.4	21
1235002	1.5	3	blue	100	-	14.4	21
1235003	1.5	3	brown	100	-	14.4	21
1235005	1.5	3	yellow	100	-	14.4	21
1235006	1.5	3	green	100	-	14.4	21
1235007	1.5	3	violet	100	-	14.4	21
1235009	1.5	3	orange	100	-	14.4	21
1235104	1.5	3	red	100	-	14.4	21
1235105	1.5	3	white	100	-	14.4	21
1235106	1.5	3	grey	100	-	14.4	21
1235114	1.5	3	dark blue	100	-	14.4	21

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)
1235003K	1.5	3	brown	-	2000	14.4	21
1235001K	1.5	3	black	-	2000	14.4	21
1235106K	1.5	3	grey	-	2000	14.4	21
1235002K	1.5	3	blue	-	2000	14.4	21
1235000K	1.5	3	green/yellow	-	2000	14.4	21
1235009K	1.5	3	orange	-	2000	14.4	21
1235114K	1.5	3	dark blue	-	2000	14.4	21
1235105K	1.5	3	white	-	2000	14.4	21
1235104K	1.5	3	red	-	2000	14.4	21
1236000	2.5	3.6	green/yellow	100	-	24	33
1236001	2.5	3.6	black	100	-	24	33
1236002	2.5	3.6	blue	100	-	24	33
1236003	2.5	3.6	brown	100	-	24	33
1236005	2.5	3.6	yellow	100	-	24	33
1236006	2.5	3.6	green	100	-	24	33
1236007	2.5	3.6	violet	100	-	24	33
1236009	2.5	3.6	orange	100	-	24	33
1236104	2.5	3.6	red	100	-	24	33
1236105	2.5	3.6	white	100	-	24	33
1236106	2.5	3.6	grey	100	-	24	33
1236114	2.5	3.6	dark blue	100	-	24	33
1236001K	2.5	3.6	black	-	1200	24	33
1237000	4.0	4.3	green/yellow	100	-	38.4	49
1237001	4.0	4.3	black	100	-	38.4	49
1237002	4.0	4.3	blue	100	-	38.4	49
1237003	4.0	4.3	brown	100	-	38.4	49
1237009	4.0	4.3	orange	100	-	38.4	49
1237104	4.0	4.3	red	100	-	38.4	49
1237105	4.0	4.3	white	100	-	38.4	49
1237106	4.0	4.3	grey	100	-	38.4	49
1237114	4.0	4.3	dark blue	100	-	38.4	49
1238000	6.0	4.8	green/yellow	100	-	57.6	67
1238001	6.0	4.8	black	100	-	57.6	67
1238002	6.0	4.8	blue	100	-	57.6	67

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1238003	6.0	4.8	brown	100	-	57.6	67
1238104	6.0	4.8	red	100	-	57.6	67
1238106	6.0	4.8	grey	100	-	57.6	67
1238114	6.0	4.8	dark blue	100	-	57.6	67
1239000	10.0	6.2	green/yellow	100	-	96	112
1239001	10.0	6.2	black	100	-	96	112
1239002	10.0	6.2	blue	100	-	96	112
1239003	10.0	6.2	brown	100	-	96	112
1239104	10.0	6.2	red	100	-	96	112
1240000	16.0	7.2	green/yellow	100	-	153.6	172
1240001	16.0	7.2	black	100	-	153.6	172
1240002	16.0	7.2	blue	100	-	153.6	172
1240003	16.0	7.2	brown	100	-	153.6	172
1240104	16.0	7.2	red	100	-	153.6	172
1240114	16.0	7.2	dark blue	100	-	153.6	172
1241000	25.0	8.9	green/yellow	100	-	240	262
1241001	25.0	8.9	black	100	-	240	262
1242000	35.0	10.1	green/yellow	100	-	336	362
1242001	35.0	10.1	black	100	-	336	362
1243000	50.0	12.5	green/yellow	100	-	480	512
1243001	50.0	12.5	black	100	-	480	512
1244000	70.0	14.2	green/yellow	100	-	672	710
1244001	70.0	14.2	black	100	-	672	710
1245000	95.0	16.6	green/yellow	100	-	912	937
1245001	95.0	16.6	black	100	-	912	937
1246001	120.0	18.2	black	100	-	1152	1159
1247000	150.0	20.6	green/yellow	100	-	1440	1447
1247001	150.0	20.6	black	100	-	1440	1447
1248001	185.0	22.5	black	100	-	1776	1790
1249001	240.0	26.4	black	100	-	2304	2318

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