

U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® HEAT 125 SC</b>	19.11.2014

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



Halogen-free



Temperature-resistant

#### Info

Substitutes previous ÖLFLEX® HEAT 145 SC, H05Z-K 110°C & H07Z-K 110°C  
 VDE-tested and -marked  
 Improved characteristics in the event of a fire

#### 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

#### Product Make-up

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

#### Norm references / Approvals

According to EN 50525-3-41 with advanced features  
 GL (Germanischer Lloyd)

#### Product features

Fire behaviour:

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

Extended fire behaviour:

H05Z-K (0,5mm<sup>2</sup> up to 1,0mm<sup>2</sup>):

see data sheet

H07Z-K (≥ 1,5mm<sup>2</sup>):

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

Product Management	Document: LAPP_PRO216111EN.pdf	1 / 5
--------------------	--------------------------------	-------

U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® HEAT 125 SC</b>	<b>19.11.2014</b>

### Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  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 are not to scale and do not represent detailed images of the respective products.

Cross-section 0.5 - 4 mm<sup>2</sup> only available as 100 m box

Article number index of core colours: 000 = green-yellow / 001 = black/ 002 = blue/ 114 = dark blue / 003 = brown / 005 = yellow / 006 = green / 007 = violet / 009 = orange / 104 = red / 105 = white / 106 = grey

### Technical Data

Core identification code:	refer to article table
Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Conductor stranding:	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm <sup>2</sup>
Minimum bending radius:	Fixed installation: 4 x outer diameter
Nominal voltage:	Up to 1.0mm <sup>2</sup> U <sub>0</sub> /U 300/500 V From 1.5mm <sup>2</sup> U <sub>0</sub> /U 450/750 V 0.6/1kV from 1.5 mm <sup>2</sup> in the case of fixed and protected installation
Test voltage:	4000 V
Temperature range:	Fixed installation: -55 °C to +125 °C Short-term: up to +145 °C

Product Management	Document: LAPP_PRO216111EN.pdf	2 / 5
--------------------	--------------------------------	-------

## ÖLFLEX® HEAT 125 SC

19.11.2014

Part number	Conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 125 SC - H05Z-K					
1232000	0,5	2,2	green/yellow	4.8	8.0
1232001	0,5	2,2	black	4.8	8.0
1232002	0,5	2,2	blue	4.8	8.0
1232003	0,5	2,2	brown	4.8	8.0
1232005	0,5	2,2	yellow	4.8	8.0
1232006	0,5	2,2	green	4.8	8.0
1232007	0,5	2,2	violet	4.8	8.0
1232009	0,5	2,2	orange	4.8	8.0
1232104	0,5	2,2	red	4.8	8.0
1232105	0,5	2,2	white	4.8	8.0
1232106	0,5	2,2	grey	4.8	8.0
1232114	0,5	2,2	Dark blue	4.8	8.0
1233000	0,75	2,4	green/yellow	7.2	11.0
1233001	0,75	2,4	black	7.2	11.0
1233002	0,75	2,4	blue	7.2	11.0
1233003	0,75	2,4	brown	7.2	11.0
1233005	0,75	2,4	yellow	7.2	11.0
1233006	0,75	2,4	green	7.2	11.0
1233007	0,75	2,4	violet	7.2	11.0
1233009	0,75	2,4	orange	7.2	11.0
1233104	0,75	2,4	red	7.2	11.0
1233105	0,75	2,4	white	7.2	11.0
1233106	0,75	2,4	grey	7.2	11.0
1233114	0,75	2,4	Dark blue	7.2	11.0
1234000	1	2,5	green/yellow	9.6	14.0
1234001	1	2,5	black	9.6	14.0
1234002	1	2,5	blue	9.6	14.0
1234003	1	2,5	brown	9.6	14.0
1234005	1	2,5	yellow	9.6	14.0
1234006	1	2,5	green	9.6	14.0
1234007	1	2,5	violet	9.6	14.0
1234009	1	2,5	orange	9.6	14.0
1234104	1	2,5	red	9.6	14.0



## ÖLFLEX® HEAT 125 SC

19.11.2014

Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
1234105	1	2,5	white	9.6	14.0
1234106	1	2,5	grey	9.6	14.0
1234114	1	2,5	Dark blue	9.6	14.0
ÖLFLEX® HEAT 125 SC - H07Z-K					
1235000	1,5	3.0	green/yellow	14.4	21.0
1235001	1,5	3.0	black	14.4	21.0
1235002	1,5	3.0	blue	14.4	21.0
1235003	1,5	3.0	brown	14.4	21.0
1235005	1,5	3.0	yellow	14.4	21.0
1235006	1,5	3.0	green	14.4	21.0
1235007	1,5	3.0	violet	14.4	21.0
1235009	1,5	3.0	orange	14.4	21.0
1235104	1,5	3.0	red	14.4	21.0
1235105	1,5	3.0	white	14.4	21.0
1235106	1,5	3.0	grey	14.4	21.0
1235114	1,5	3.0	Dark blue	14.4	21.0
1236000	2,5	3,6	green/yellow	24.0	33.0
1236001	2,5	3,6	black	24.0	33.0
1236002	2,5	3,6	blue	24.0	33.0
1236003	2,5	3,6	brown	24.0	33.0
1236005	2,5	3,6	yellow	24.0	33.0
1236006	2,5	3,6	green	24.0	33.0
1236007	2,5	3,6	violet	24.0	33.0
1236009	2,5	3,6	orange	24.0	33.0
1236104	2,5	3,6	red	24.0	33.0
1236105	2,5	3,6	white	24.0	33.0
1236106	2,5	3,6	grey	24.0	33.0
1236114	2,5	3,6	Dark blue	24.0	33.0
1237000	4	4,3	green/yellow	38.4	49.0
1237001	4	4,3	black	38.4	49.0
1237002	4	4,3	blue	38.4	49.0
1237003	4	4,3	brown	38.4	49.0
1237009	4	4,3	orange	38.4	49.0
1237104	4	4,3	red	38.4	49.0



## ÖLFLEX® HEAT 125 SC

19.11.2014

Part number	Conductor cross-section (mm²)	Outer diameter (mm)	Core colour	Copper index (kg/km)	Weight (kg/km)
1237105	4	4,3	white	38.4	49.0
1237106	4	4,3	grey	38.4	49.0
1237114	4	4,3	Dark blue	38.4	49.0
1238000	6	4,8	green/yellow	57.6	67.0
1238001	6	4,8	black	57.6	67.0
1238002	6	4,8	blue	57.6	67.0
1238003	6	4,8	brown	57.6	67.0
1238104	6	4,8	red	57.6	67.0
1238106	6	4,8	grey	57.6	67.0
1238114	6	4,8	Dark blue	57.6	67.0
1239000	10	6,2	green/yellow	96.0	112.0
1239001	10	6,2	black	96.0	112.0
1239002	10	6,2	blue	96.0	112.0
1239003	10	6,2	brown	96.0	112.0
1239104	10	6,2	red	96.0	112.0
1240000	16	7,2	green/yellow	153.6	172.0
1240001	16	7,2	black	153.6	172.0
1240002	16	7,2	blue	153.6	172.0
1240104	16	7,2	red	153.6	172.0
1240114	16	7,2	Dark blue	153.6	172.0
1241000	25	8,9	green/yellow	240.0	262.0
1241001	25	8,9	black	240.0	262.0
1242000	35	10,1	green/yellow	336.0	362.0
1242001	35	10,1	black	336.0	362.0
1243000	50	12,5	green/yellow	480.0	512.0
1243001	50	12,5	black	480.0	512.0
1244000	70	14,2	green/yellow	672.0	710.0
1244001	70	14,2	black	672.0	710.0
1245001	95	16,6	black	912.0	937.0
1246001	120	18,2	black	1152.0	1159.0
1247000	150	20,6	green/yellow	1440.0	1447.0
1247001	150	20,6	black	1440.0	1447.0
1248001	185	22,5	black	1776.0	1790.0
1249001	240	26,4	black	2304.0	2318.0