

## ÖLFLEX® HEAT 125 SC

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

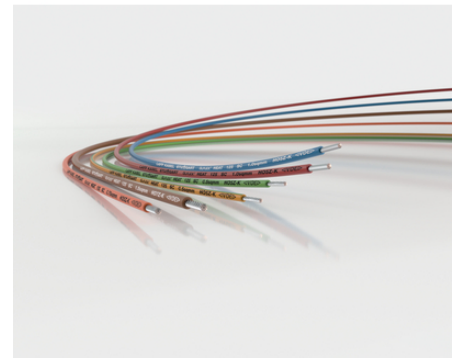
ÖLFLEX® HEAT 125 C MC - halogen free single core with GL certificate, special fire performance, IEC 60332-3, suitable for +125°C

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://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

Last Update (13.01.2019)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

# 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 (0,5mm<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

## 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 mm<sup>2</sup>

Minimum bending radius:

Fixed installation: 4 x outer diameter

Nominal voltage:

Up to 1.0mm<sup>2</sup> U0/U 300/500 V

From 1.5mm<sup>2</sup> U0/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

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## ÖLFLEX® HEAT 125 SC

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](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 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.

| Article number                                              | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | Core colour  | m/ring | m/box | Copper |
|-------------------------------------------------------------|--------------------------------------------|---------------------|--------------|--------|-------|--------|
| ÖLFLEX® HEAT 125 SC - H05Z-K - U <sub>0</sub> /U: 300/500 V |                                            |                     |              |        |       |        |
| 1232000                                                     | 0.5                                        | 2.2                 | green/yellow | 100    | -     | 4.8    |
| 1232001                                                     | 0.5                                        | 2.2                 | black        | 100    | -     | 4.8    |
| 1232002                                                     | 0.5                                        | 2.2                 | blue         | 100    | -     | 4.8    |
| 1232003                                                     | 0.5                                        | 2.2                 | brown        | 100    | -     | 4.8    |
| 1232005                                                     | 0.5                                        | 2.2                 | yellow       | 100    | -     | 4.8    |
| 1232006                                                     | 0.5                                        | 2.2                 | green        | 100    | -     | 4.8    |
| 1232007                                                     | 0.5                                        | 2.2                 | violet       | 100    | -     | 4.8    |
| 1232009                                                     | 0.5                                        | 2.2                 | orange       | 100    | -     | 4.8    |
| 1232104                                                     | 0.5                                        | 2.2                 | red          | 100    | -     | 4.8    |
| 1232105                                                     | 0.5                                        | 2.2                 | white        | 100    | -     | 4.8    |
| 1232106                                                     | 0.5                                        | 2.2                 | grey         | 100    | -     | 4.8    |
| 1232114                                                     | 0.5                                        | 2.2                 | dark blue    | 100    | -     | 4.8    |
| 1232001K                                                    | 0.5                                        | 2.2                 | black        | -      | 3000  | 4.8    |
| 1233000                                                     | 0.75                                       | 2.4                 | green/yellow | 100    | -     | 7.2    |
| 1233001                                                     | 0.75                                       | 2.4                 | black        | 100    | -     | 7.2    |
| 1233002                                                     | 0.75                                       | 2.4                 | blue         | 100    | -     | 7.2    |
| 1233003                                                     | 0.75                                       | 2.4                 | brown        | 100    | -     | 7.2    |
| 1233005                                                     | 0.75                                       | 2.4                 | yellow       | 100    | -     | 7.2    |
| 1233006                                                     | 0.75                                       | 2.4                 | green        | 100    | -     | 7.2    |
| 1233007                                                     | 0.75                                       | 2.4                 | violet       | 100    | -     | 7.2    |
| 1233009                                                     | 0.75                                       | 2.4                 | orange       | 100    | -     | 7.2    |
| 1233104                                                     | 0.75                                       | 2.4                 | red          | 100    | -     | 7.2    |
| 1233105                                                     | 0.75                                       | 2.4                 | white        | 100    | -     | 7.2    |
| 1233106                                                     | 0.75                                       | 2.4                 | grey         | 100    | -     | 7.2    |
| 1233114                                                     | 0.75                                       | 2.4                 | dark blue    | 100    | -     | 7.2    |
| 1233003K                                                    | 0.75                                       | 2.4                 | brown        | -      | 2500  | 7.2    |
| 1233001K                                                    | 0.75                                       | 2.4                 | black        | -      | 2500  | 7.2    |
| 1233106K                                                    | 0.75                                       | 2.4                 | grey         | -      | 2500  | 7.2    |
| 1233002K                                                    | 0.75                                       | 2.4                 | blue         | -      | 2500  | 7.2    |
| 1233009K                                                    | 0.75                                       | 2.4                 | orange       | -      | 2500  | 7.2    |
| 1233114K                                                    | 0.75                                       | 2.4                 | dark blue    | -      | 2500  | 7.2    |
| 1233105K                                                    | 0.75                                       | 2.4                 | white        | -      | 2500  | 7.2    |
| 1233104K                                                    | 0.75                                       | 2.4                 | red          | -      | 2500  | 7.2    |
|                                                             |                                            |                     |              |        |       |        |

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| Article number                                              | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | Core colour  | m/ring | m/box | Copper |
|-------------------------------------------------------------|--------------------------------------------|---------------------|--------------|--------|-------|--------|
| 1234000                                                     | 1.0                                        | 2.5                 | green/yellow | 100    | -     | 9.6    |
| 1234001                                                     | 1.0                                        | 2.5                 | black        | 100    | -     | 9.6    |
| 1234002                                                     | 1.0                                        | 2.5                 | blue         | 100    | -     | 9.6    |
| 1234003                                                     | 1.0                                        | 2.5                 | brown        | 100    | -     | 9.6    |
| 1234005                                                     | 1.0                                        | 2.5                 | yellow       | 100    | -     | 9.6    |
| 1234006                                                     | 1.0                                        | 2.5                 | green        | 100    | -     | 9.6    |
| 1234007                                                     | 1.0                                        | 2.5                 | violet       | 100    | -     | 9.6    |
| 1234009                                                     | 1.0                                        | 2.5                 | orange       | 100    | -     | 9.6    |
| 1234104                                                     | 1.0                                        | 2.5                 | red          | 100    | -     | 9.6    |
| 1234105                                                     | 1.0                                        | 2.5                 | white        | 100    | -     | 9.6    |
| 1234106                                                     | 1.0                                        | 2.5                 | grey         | 100    | -     | 9.6    |
| 1234114                                                     | 1.0                                        | 2.5                 | dark blue    | 100    | -     | 9.6    |
| 1234003K                                                    | 1.0                                        | 2.5                 | brown        | -      | 2500  | 9.6    |
| 1234001K                                                    | 1.0                                        | 2.5                 | black        | -      | 2500  | 9.6    |
| 1234106K                                                    | 1.0                                        | 2.5                 | grey         | -      | 2500  | 9.6    |
| 1234002K                                                    | 1.0                                        | 2.5                 | blue         | -      | 2500  | 9.6    |
| 1234000K                                                    | 1.0                                        | 2.5                 | green/yellow | -      | 2500  | 9.6    |
| 1234009K                                                    | 1.0                                        | 2.5                 | orange       | -      | 2500  | 9.6    |
| 1234114K                                                    | 1.0                                        | 2.5                 | dark blue    | -      | 2500  | 9.6    |
| 1234105K                                                    | 1.0                                        | 2.5                 | white        | -      | 2500  | 9.6    |
| 1234104K                                                    | 1.0                                        | 2.5                 | red          | -      | 2500  | 9.6    |
| ÖLFLEX® HEAT 125 SC - H07Z-K - U <sub>0</sub> /U: 450/750 V |                                            |                     |              |        |       |        |
| 1235000                                                     | 1.5                                        | 3                   | green/yellow | 100    | -     | 14.4   |
| 1235001                                                     | 1.5                                        | 3                   | black        | 100    | -     | 14.4   |
| 1235002                                                     | 1.5                                        | 3                   | blue         | 100    | -     | 14.4   |
| 1235003                                                     | 1.5                                        | 3                   | brown        | 100    | -     | 14.4   |
| 1235005                                                     | 1.5                                        | 3                   | yellow       | 100    | -     | 14.4   |
| 1235006                                                     | 1.5                                        | 3                   | green        | 100    | -     | 14.4   |
| 1235007                                                     | 1.5                                        | 3                   | violet       | 100    | -     | 14.4   |
| 1235009                                                     | 1.5                                        | 3                   | orange       | 100    | -     | 14.4   |
| 1235104                                                     | 1.5                                        | 3                   | red          | 100    | -     | 14.4   |
| 1235105                                                     | 1.5                                        | 3                   | white        | 100    | -     | 14.4   |
| 1235106                                                     | 1.5                                        | 3                   | grey         | 100    | -     | 14.4   |
| 1235114                                                     | 1.5                                        | 3                   | dark blue    | 100    | -     | 14.4   |
|                                                             |                                            |                     |              |        |       |        |

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|----------------|--------------------------------------------|---------------------|--------------|--------|-------|--------|
| 1235003K       | 1.5                                        | 3                   | brown        | -      | 2000  | 14.4   |
| 1235001K       | 1.5                                        | 3                   | black        | -      | 2000  | 14.4   |
| 1235106K       | 1.5                                        | 3                   | grey         | -      | 2000  | 14.4   |
| 1235002K       | 1.5                                        | 3                   | blue         | -      | 2000  | 14.4   |
| 1235000K       | 1.5                                        | 3                   | green/yellow | -      | 2000  | 14.4   |
| 1235009K       | 1.5                                        | 3                   | orange       | -      | 2000  | 14.4   |
| 1235114K       | 1.5                                        | 3                   | dark blue    | -      | 2000  | 14.4   |
| 1235105K       | 1.5                                        | 3                   | white        | -      | 2000  | 14.4   |
| 1235104K       | 1.5                                        | 3                   | red          | -      | 2000  | 14.4   |
| 1236000        | 2.5                                        | 3.6                 | green/yellow | 100    | -     | 24     |
| 1236001        | 2.5                                        | 3.6                 | black        | 100    | -     | 24     |
| 1236002        | 2.5                                        | 3.6                 | blue         | 100    | -     | 24     |
| 1236003        | 2.5                                        | 3.6                 | brown        | 100    | -     | 24     |
| 1236005        | 2.5                                        | 3.6                 | yellow       | 100    | -     | 24     |
| 1236006        | 2.5                                        | 3.6                 | green        | 100    | -     | 24     |
| 1236007        | 2.5                                        | 3.6                 | violet       | 100    | -     | 24     |
| 1236009        | 2.5                                        | 3.6                 | orange       | 100    | -     | 24     |
| 1236104        | 2.5                                        | 3.6                 | red          | 100    | -     | 24     |
| 1236105        | 2.5                                        | 3.6                 | white        | 100    | -     | 24     |
| 1236106        | 2.5                                        | 3.6                 | grey         | 100    | -     | 24     |
| 1236114        | 2.5                                        | 3.6                 | dark blue    | 100    | -     | 24     |
| 1236001K       | 2.5                                        | 3.6                 | black        | -      | 1200  | 24     |
| 1237000        | 4.0                                        | 4.3                 | green/yellow | 100    | -     | 38.4   |
| 1237001        | 4.0                                        | 4.3                 | black        | 100    | -     | 38.4   |
| 1237002        | 4.0                                        | 4.3                 | blue         | 100    | -     | 38.4   |
| 1237003        | 4.0                                        | 4.3                 | brown        | 100    | -     | 38.4   |
| 1237009        | 4.0                                        | 4.3                 | orange       | 100    | -     | 38.4   |
| 1237104        | 4.0                                        | 4.3                 | red          | 100    | -     | 38.4   |
| 1237105        | 4.0                                        | 4.3                 | white        | 100    | -     | 38.4   |
| 1237106        | 4.0                                        | 4.3                 | grey         | 100    | -     | 38.4   |
| 1237114        | 4.0                                        | 4.3                 | dark blue    | 100    | -     | 38.4   |
| 1238000        | 6.0                                        | 4.8                 | green/yellow | 100    | -     | 57.6   |
| 1238001        | 6.0                                        | 4.8                 | black        | 100    | -     | 57.6   |
| 1238002        | 6.0                                        | 4.8                 | blue         | 100    | -     | 57.6   |
|                |                                            |                     |              |        |       |        |

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| Article number | Conductor cross-section (mm <sup>2</sup> ) | Outer diameter [mm] | Core colour  | m/ring | m/box | Copper |
|----------------|--------------------------------------------|---------------------|--------------|--------|-------|--------|
| 1238003        | 6.0                                        | 4.8                 | brown        | 100    | -     | 57.6   |
| 1238104        | 6.0                                        | 4.8                 | red          | 100    | -     | 57.6   |
| 1238106        | 6.0                                        | 4.8                 | grey         | 100    | -     | 57.6   |
| 1238114        | 6.0                                        | 4.8                 | dark blue    | 100    | -     | 57.6   |
| 1239000        | 10.0                                       | 6.2                 | green/yellow | 100    | -     | 96     |
| 1239001        | 10.0                                       | 6.2                 | black        | 100    | -     | 96     |
| 1239002        | 10.0                                       | 6.2                 | blue         | 100    | -     | 96     |
| 1239003        | 10.0                                       | 6.2                 | brown        | 100    | -     | 96     |
| 1239104        | 10.0                                       | 6.2                 | red          | 100    | -     | 96     |
| 1240000        | 16.0                                       | 7.2                 | green/yellow | 100    | -     | 153.6  |
| 1240001        | 16.0                                       | 7.2                 | black        | 100    | -     | 153.6  |
| 1240002        | 16.0                                       | 7.2                 | blue         | 100    | -     | 153.6  |
| 1240003        | 16.0                                       | 7.2                 | brown        | 100    | -     | 153.6  |
| 1240104        | 16.0                                       | 7.2                 | red          | 100    | -     | 153.6  |
| 1240114        | 16.0                                       | 7.2                 | dark blue    | 100    | -     | 153.6  |
| 1241000        | 25.0                                       | 8.9                 | green/yellow | 100    | -     | 240    |
| 1241001        | 25.0                                       | 8.9                 | black        | 100    | -     | 240    |
| 1242000        | 35.0                                       | 10.1                | green/yellow | 100    | -     | 336    |
| 1242001        | 35.0                                       | 10.1                | black        | 100    | -     | 336    |
| 1243000        | 50.0                                       | 12.5                | green/yellow | 100    | -     | 480    |
| 1243001        | 50.0                                       | 12.5                | black        | 100    | -     | 480    |
| 1244000        | 70.0                                       | 14.2                | green/yellow | 100    | -     | 672    |
| 1244001        | 70.0                                       | 14.2                | black        | 100    | -     | 672    |
| 1245000        | 95.0                                       | 16.6                | green/yellow | 100    | -     | 912    |
| 1245001        | 95.0                                       | 16.6                | black        | 100    | -     | 912    |
| 1246001        | 120.0                                      | 18.2                | black        | 100    | -     | 1152   |
| 1247000        | 150.0                                      | 20.6                | green/yellow | 100    | -     | 1440   |
| 1247001        | 150.0                                      | 20.6                | black        | 100    | -     | 1440   |
| 1248001        | 185.0                                      | 22.5                | black        | 100    | -     | 1776   |
| 1249001        | 240.0                                      | 26.4                | black        | 100    | -     | 2304   |

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