

ÖLFLEX® HEAT 125 MC

Electron beam cross-linked cables for more demanding application requirements

ÖLFLEX® HEAT 125 C MC - halogen free power and control cable with GL certificate, special fire performance, IEC 60332-3, suitable for +125°C

Info

CPR: Article number choice under www.lappkabel.com/cpr

Improved characteristics in the event of a fire

GL - Germanischer Lloyd approved



Suitable for outdoor use



Flame-retardant



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Temperature-resistant



UV-resistant

Last Update (02.09.2020)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ÖLFLEX® HEAT 125 MC

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
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 use in traffic regulation systems and outdoors
Coil winding, electromagnets, pumps, electrical systems
Heat treatment plants, pressure die casting, heating and cooling technology
For outdoor applications

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,
NF C 32-070 (C1) and
NF-F 16-101 (Class C))
- Low toxicity (EN 50305)
No flame-propagation according to IEC 60332-3-22, IEC 60332-3-24 and IEC 60332-3-25 (Flame spread on vertical cable bundle)
Oil-resistant acc. IEC 60227-1 (ST9) and EN 50264-1 (EM104)
UV-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396

Norm references / Approvals

GL - Germanischer Lloyd approved
Based on EN 50525-3-21 and EN 50525-3-41

Product Make-up

Fine-wire, tinned-copper conductor
Electron beam cross-linked polyolefin copolymer insulation
Cores twisted in layers
Outer sheath: electron beam cross-linked polyolefin copolymer, black

Technical Data

| | |
|---------------------------|---|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable |
| Core identification code: | Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers |
| Conductor stranding: | Fine wire according to VDE 0295, class 5/IEC 60228 class 5 |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter |

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| | |
|-----------------------|---|
| Nominal voltage: | Up to 1.0mm ² U0/U 300/500 V From 1.5mm ² U0/U 450/750 V 0.6/1kV from 1.5 mm ² in the case of fixed and protected installation |
| Test voltage: | 4000 V |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| Temperature range: | Occasional flexing: -35 °C to +120 °C Fixed installation: -55 °C to +125 °C 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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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|-------------------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® HEAT 125 MC 300/500 V | | | | |
| 1024300 | 2 X 0.5 | 6 | 9.6 | 38 |
| 1024301 | 3 G 0.5 | 6.3 | 14.4 | 46 |
| 1024302 | 4 G 0.5 | 6.9 | 19.2 | 55 |
| 1024307 | 2 X 0.75 | 6.4 | 14.4 | 40 |
| 1024308 | 3 G 0.75 | 6.8 | 21.6 | 53 |
| 1024309 | 4 G 0.75 | 7.4 | 28.8 | 69 |
| 1024310 | 5 G 0.75 | 8.3 | 36 | 86 |
| 1024311 | 7 G 0.75 | 9 | 50 | 127 |
| 1024315 | 2 X 1.0 | 6.6 | 19.2 | 50 |
| 1024316 | 3 G 1.0 | 7 | 28.8 | 67 |
| 1024317 | 4 G 1.0 | 7.8 | 38.4 | 87 |
| 1024318 | 5 G 1.0 | 8.6 | 48 | 107 |
| 1024319 | 7 G 1.0 | 9.5 | 67 | 152 |
| 1024320 | 12 G 1.0 | 12.8 | 115 | 221 |
| ÖLFLEX® HEAT 125 MC 450/750 V | | | | |
| 1024323 | 2 X 1.5 | 7.6 | 29 | 71 |
| 1024324 | 3 G 1.5 | 8.3 | 43 | 96 |
| 1024325 | 4 G 1.5 | 9 | 58 | 123 |
| 1024326 | 5 G 1.5 | 10.1 | 72 | 156 |
| 1024327 | 7 G 1.5 | 11.2 | 101 | 224 |
| 1024328 | 12 G 1.5 | 15.1 | 173 | 316 |
| 1024333 | 2 X 2.5 | 9 | 48 | 102 |
| 1024334 | 3 G 2.5 | 9.8 | 72 | 145 |
| 1024335 | 4 G 2.5 | 10.8 | 96 | 189 |
| 1024336 | 5 G 2.5 | 11.9 | 120 | 235 |
| 1024337 | 7 G 2.5 | 13.2 | 168 | 344 |
| 1024341 | 4 G 4.0 | 12.7 | 154 | 276 |
| 1024342 | 5 G 4.0 | 14 | 192 | 334 |
| 1024346 | 4 G 6.0 | 14.1 | 230 | 341 |
| 1024347 | 5 G 6.0 | 15.8 | 288 | 431 |

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