

## 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 DNV 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)

Improved characteristics in the event of a fire

DNV GL approved



Suitable for outdoor use



Flame-retardant



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Temperature-resistant



UV-resistant

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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 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

DNV GL 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
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

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## ÖLFLEX® HEAT 125 MC

	0.6/1kV from 1.5 mm <sup>2</sup> 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](http://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 <sup>2</sup> 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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