

ÖLFLEX® HEAT 125 MC

Electron beam cross-linked cables for more demanding application requirements

ÖLFLEX® HEAT 125 MC – power and control cable with GL approval, flame-retardant in accordance with IEC 60332-3, for use in industrial machinery and plant engineering up to +125°C

Info

Replaces previous ÖLFLEX® HEAT 145 MC
Improved characteristics in the event of a fire
GL - Germanischer Lloyd certified



UV-resistant



Temperature-resistant



Oil-resistant



Mechanical resistance



Halogen-free



Suitable for outdoor use



Flame-retardant



Cold-resistant

Last Update (20.03.2017)

©2017 Lapp Group - Technical changes reserved

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 a high density of people
Reduction of flame propagation, density and toxicity of smoke gases in the 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, switch panels, and distributors in machine, plant and apparatus construction
For use in traffic systems and outdoor areas
Winding products, (electro)magnets, 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)
- Corrosiveness of gases (IEC 60754-2)
- 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 or IEC 60332-3-25 (flame spread on vertical cable bundle)
Oil-resistant according to 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 certified
Based on EN 50525-3-21 and EN 50525-3-41

Design

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

ÖLFLEX® HEAT 125 MC

Technical Data

Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Core identification code:	Up to 5 cores: according to VDE 0293-308 (appendix T9) From 6 cores: black with white numbers
Conductor design:	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 ² U ₀ /U 300/500 V From 1.5mm ² U ₀ /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 (3,000 h): up to +145 °C

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs 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.

**ÖLFLEX® HEAT 125 MC**

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
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	6.6	19.2	50
1024316	3 G 1	7	28.8	67
1024317	4 G 1	7.8	38.4	87
1024318	5 G 1	8.6	48	107
1024319	7 G 1	9.5	67	152
1024320	12 G 1	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	12.7	154	276
1024342	5 G 4	14	192	334
1024346	4 G 6	14.1	230	341
1024347	5 G 6	15.8	288	431

Last Update (20.03.2017)

©2017 Lapp Group - Technical changes reserved

Product Management www.lappkabel.deYou can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03_16