

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



UV-resistant



Temperature-resistant



Assembly time



Halogen-free



Flame-retardant



Cold-resistant

Info

Now available in cardboard boxes

VDE-tested and -marked

Improved characteristics in the event of a fire

ÖLFLEX® HEAT 125 SC

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 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 Make-up

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

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 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)
UV-resistant according to ISO 4892-2
Abrasion and notch-resistant
Extended fire behaviour:
H05Z-K (0,5mm² up to 1,0mm²):
see data sheet
H07Z-K (≥ 1,5mm²):
no fire propagation according to IEC 60332-3-24 respectively IEC 60332-3-25
Oil-resistant according to DIN EN 50290-2-22 (TM54)

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 are not to scale and do not represent detailed images of the respective products.

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Article number	Conductor cross-section (mm ²)	Outer diameter (mm)	Core colour	m/ring	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 125 SC - H05Z-K - U ₀ /U: 300/500V						
1232000	0.5	2.2	green/yellow	100	4.8	8
1232001	0.5	2.2	black	100	4.8	8
1232002	0.5	2.2	blue	100	4.8	8
1232003	0.5	2.2	brown	100	4.8	8
1232005	0.5	2.2	yellow	100	4.8	8
1232006	0.5	2.2	green	100	4.8	8
1232007	0.5	2.2	violet	100	4.8	8
1232009	0.5	2.2	orange	100	4.8	8
1232104	0.5	2.2	red	100	4.8	8
1232105	0.5	2.2	white	100	4.8	8
1232106	0.5	2.2	grey	100	4.8	8
1232114	0.5	2.2	dark blue	100	4.8	8
1232001K	0.5	2.2	black	3000	4.8	8
1233000	0.75	2.4	green/yellow	100	7.2	11
1233001	0.75	2.4	black	100	7.2	11
1233002	0.75	2.4	blue	100	7.2	11
1233003	0.75	2.4	brown	100	7.2	11
1233005	0.75	2.4	yellow	100	7.2	11
1233006	0.75	2.4	green	100	7.2	11
1233007	0.75	2.4	violet	100	7.2	11
1233009	0.75	2.4	orange	100	7.2	11
1233104	0.75	2.4	red	100	7.2	11
1233105	0.75	2.4	white	100	7.2	11
1233106	0.75	2.4	grey	100	7.2	11
1233114	0.75	2.4	dark blue	100	7.2	11
1233003K	0.75	2.4	brown	2500	7.2	11
1233001K	0.75	2.4	black	2500	7.2	11
1233106K	0.75	2.4	grey	2500	7.2	11
1233002K	0.75	2.4	blue	2500	7.2	11
1233009K	0.75	2.4	orange	2500	7.2	11
1233114K	0.75	2.4	dark blue	2500	7.2	11
1233105K	0.75	2.4	white	2500	7.2	11
1233104K	0.75	2.4	red	2500	7.2	11

Last Update (25.04.2016)

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PN 0456 / 02_03_16

**ÖLFLEX® HEAT 125 SC**

Article number	Conductor cross-section (mm ²)	Outer diameter (mm)	Core colour	m/ring	Copper index (kg/km)	Weight (kg/km)
1234000	1	2.5	green/yellow	100	9.6	14
1234001	1	2.5	black	100	9.6	14
1234002	1	2.5	blue	100	9.6	14
1234003	1	2.5	brown	100	9.6	14
1234005	1	2.5	yellow	100	9.6	14
1234006	1	2.5	green	100	9.6	14
1234007	1	2.5	violet	100	9.6	14
1234009	1	2.5	orange	100	9.6	14
1234104	1	2.5	red	100	9.6	14
1234105	1	2.5	white	100	9.6	14
1234106	1	2.5	grey	100	9.6	14
1234114	1	2.5	dark blue	100	9.6	14
1234003K	1	2.5	brown	2500	9.6	14
1234001K	1	2.5	black	2500	9.6	14
1234106K	1	2.5	grey	2500	9.6	14
1234002K	1	2.5	blue	2500	9.6	14
1234000K	1	2.5	green/yellow	2500	9.6	14
1234009K	1	2.5	orange	2500	9.6	14
1234114K	1	2.5	dark blue	2500	9.6	14
1234105K	1	2.5	white	2500	9.6	14
1234104K	1	2.5	red	2500	9.6	14
ÖLFLEX® HEAT 125 SC - H07Z-K - U ₀ /U: 450/750V						
1235000	1.5	3	green/yellow	100	14.4	21
1235001	1.5	3	black	100	14.4	21
1235002	1.5	3	blue	100	14.4	21
1235003	1.5	3	brown	100	14.4	21
1235005	1.5	3	yellow	100	14.4	21
1235006	1.5	3	green	100	14.4	21
1235007	1.5	3	violet	100	14.4	21
1235009	1.5	3	orange	100	14.4	21
1235104	1.5	3	red	100	14.4	21
1235105	1.5	3	white	100	14.4	21
1235106	1.5	3	grey	100	14.4	21
1235114	1.5	3	dark blue	100	14.4	21

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Article number	Conductor cross-section (mm ²)	Outer diameter (mm)	Core colour	m/ring	Copper index (kg/km)	Weight (kg/km)
1235003K	1.5	3	brown	2000	14.4	21
1235001K	1.5	3	black	2000	14.4	21
1235106K	1.5	3	grey	2000	14.4	21
1235002K	1.5	3	blue	2000	14.4	21
1235000K	1.5	3	green/yellow	2000	14.4	21
1235009K	1.5	3	orange	2000	14.4	21
1235114K	1.5	3	dark blue	2000	14.4	21
1235105K	1.5	3	white	2000	14.4	21
1235104K	1.5	3	red	2000	14.4	21
1236000	2.5	3.6	green/yellow	100	24	33
1236001	2.5	3.6	black	100	24	33
1236002	2.5	3.6	blue	100	24	33
1236003	2.5	3.6	brown	100	24	33
1236005	2.5	3.6	yellow	100	24	33
1236006	2.5	3.6	green	100	24	33
1236007	2.5	3.6	violet	100	24	33
1236009	2.5	3.6	orange	100	24	33
1236104	2.5	3.6	red	100	24	33
1236105	2.5	3.6	white	100	24	33
1236106	2.5	3.6	grey	100	24	33
1236114	2.5	3.6	dark blue	100	24	33
1236001K	2.5	3.6	black	1200	24	33
1237000	4	4.3	green/yellow	100	38.4	49
1237001	4	4.3	black	100	38.4	49
1237002	4	4.3	blue	100	38.4	49
1237003	4	4.3	brown	100	38.4	49
1237009	4	4.3	orange	100	38.4	49
1237104	4	4.3	red	100	38.4	49
1237105	4	4.3	white	100	38.4	49
1237106	4	4.3	grey	100	38.4	49
1237114	4	4.3	dark blue	100	38.4	49
1238000	6	4.8	green/yellow	100	57.6	67
1238001	6	4.8	black	100	57.6	67
1238002	6	4.8	blue	100	57.6	67

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Article number	Conductor cross-section (mm ²)	Outer diameter (mm)	Core colour	m/ring	Copper index (kg/km)	Weight (kg/km)
1238003	6	4.8	brown	100	57.6	67
1238104	6	4.8	red	100	57.6	67
1238106	6	4.8	grey	100	57.6	67
1238114	6	4.8	dark blue	100	57.6	67
1239000	10	6.2	green/yellow	100	96	112
1239001	10	6.2	black	100	96	112
1239002	10	6.2	blue	100	96	112
1239003	10	6.2	brown	100	96	112
1239104	10	6.2	red	100	96	112
1240000	16	7.2	green/yellow	100	153.6	172
1240001	16	7.2	black	100	153.6	172
1240002	16	7.2	blue	100	153.6	172
1240003	16	7.2	brown	100	153.6	172
1240104	16	7.2	red	100	153.6	172
1240114	16	7.2	dark blue	100	153.6	172
1241000	25	8.9	green/yellow	100	240	262
1241001	25	8.9	black	100	240	262
1242000	35	10.1	green/yellow	100	336	362
1242001	35	10.1	black	100	336	362
1243000	50	12.5	green/yellow	100	480	512
1243001	50	12.5	black	100	480	512
1244000	70	14.2	green/yellow	100	672	710
1244001	70	14.2	black	100	672	710
1245000	95	16.6	green/yellow	100	912	937
1245001	95	16.6	black	100	912	937
1246001	120	18.2	black	100	1152	1159
1247000	150	20.6	green/yellow	100	1440	1447
1247001	150	20.6	black	100	1440	1447
1248001	185	22.5	black	100	1776	1790
1249001	240	26.4	black	100	2304	2318

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