

ÖLFLEX® HEAT 125 SC

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

ÖLFLEX® HEAT 125 SC - highly flame-retardant single core cable with enhanced properties in the event of fire for a wide range of applications up to +125°C

Info

Now available in large cardboard boxes

VDE-tested and -marked

Improved characteristics in the event of a fire



UV-resistant



Temperature-resistant



Assembly time



Halogen-free



Flame-retardant



Cold-resistant

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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 SC

Benefits

For safety in areas with a 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, switch panels, and distributors in machine, plant and apparatus construction
For installation in tubes, on, in and under plaster as well as in closed installation ducts
Winding products, (electro)magnets, 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)
- Corrosiveness of gases (IEC 60754-2)
- Smoke density (IEC 61034-2)
- Low toxicity (EN 50305)
Enhanced 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 and 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 enhanced features
Germanischer Lloyd (GL)
certificate no. 11118-14HH

Product Make-up

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

ÖLFLEX® HEAT 125 SC

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Conductor stranding:	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm ²
Minimum bending radius:	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
Temperature range:	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.

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PRODUCT INFORMATION

ÖLFLEX® HEAT 125 SC

Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/box	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® HEAT 125 SC - H05Z-K - U ₀ /U: 300/500 V							
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

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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: 450/750 V							
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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PRODUCT INFORMATION

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Article number	Conductor cross-section (mm²)	Outer diameter [mm]	Core colour	m/ring	m/box	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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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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