



New

ÖLFLEX® HEAT 125 SC

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

Info

- Substitutes previous ÖLFLEX® HEAT 145 SC, H05Z-K 110 °C & H07Z-K 110 °C
- VDE-tested and -marked
- Improved characteristics in the event of a fire

Technical data

Classification
ETIM 5.0 Class-ID: EC000993
ETIM 5.0 Class-Description: Single core cable

Core identification code
refer to article table

Conductor stranding
Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm²

Minimum bending radius
Fixed installation: 4 x outer diameter

Nominal voltage
Up to 1.0mm² U₀/U 300/500 V
From 1.5mm² U₀/U 450/750 V
0.6/1kV from 1.5 mm² in the case of fixed and protected installation

Test voltage
3500 V

Temperature range
Fixed installation: -55 °C to +125 °C
Short-term: up to +145 °C

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

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)
 - Low toxicity (EN 50305)
- 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
- Abrasion and notch-resistant

Norm references / Approvals

- According to EN 50525-3-41 with advanced features
- GL (Germanischer Lloyd)

Product make-up

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

Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	brown	black	grey	blue	green/yellow	orange
ÖLFLEX® HEAT 125 SC - H05Z-K									
0.5	2.2	4.8	8.0	1232003	1232001	1232106	1232002	1232000	1232009
0.75	2.4	7.2	11.0	1233003	1233001	1233106	1233002	1233000	1233009
1	2.5	9.6	14.0	1234003	1234001	1234106	1234002	1234000	
ÖLFLEX® HEAT 125 SC - H07Z-K									
1.5	3.0	14.4	21.0	1235003	1235001	1235106	1235002	1235000	1235009
2.5	3.6	24.0	33.0	1236003	1236001	1236106	1236002	1236000	1236009
4	4.3	38.4	49.0	1237003	1237001	1237106	1237002	1237000	1237009
6	4.8	57.6	67.0	1238003	1238001	1238106	1238002	1238000	
10	6.2	96.0	112.0	1239003	1239001		1239002	1239000	
16	7.2	153.6	172.0		1240001		1240002	1240000	
25	8.9	240.0	262.0		1241001			1241000	
35	10.1	336.0	362.0		1242001			1242000	
50	12.5	480.0	512.0		1243001			1243000	
70	14.2	672.0	710.0		1244001			1244000	
95	16.6	912.0	937.0		1245001				
120	18.2	1,152.0	1,159.0		1246001				
150	20.6	1,440.0	1,447.0		1247001			1247000	
185	22.5	1,776.0	1,790.0		1248001				
240	26.4	2,304.0	2,318.0		1249001				

Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	Dark blue	white	green	yellow	violet	red
ÖLFLEX® HEAT 125 SC - H05Z-K									
0.5	2.2	4.8	8.0	1232114	1232105	1232006	1232005	1232007	1232104
0.75	2.4	7.2	11.0	1233114	1233105	1233006	1233005	1233007	1233104
1	2.5	9.6	14.0	1234114	1234105	1234006	1234005	1234007	1234104
ÖLFLEX® HEAT 125 SC - H07Z-K									
1.5	3.0	14.4	21.0	1235114	1235105	1235006	1235005	1235007	1235104
2.5	3.6	24.0	33.0	1236114	1236105	1236006	1236005	1236007	1236104
4	4.3	38.4	49.0	1237114	1237105				1237104
6	4.8	57.6	67.0	1238114					1238104
10	6.2	96.0	112.0						1239104
16	7.2	153.6	172.0						1240104

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100kg. 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.
 Cross-section 0.25 mm² only available as 300 m box Cross-section 0.5 mm² only available as 200 m box Cross-section 1.0 - 4 mm² only available as 100 m box
 Article number index of core colours: 000 = green-yellow / 001 = black/ 002 = blue/ 114 = dark blue / 003 = brown / 005 = yellow / 006 = green / 007 = violet / 009 = orange / 104 = red / 105 = white / 106 = grey