H05Z-K 90 °C

Harmonised; halogen-free to protect human life, the environment and material assets

H05Z-K 90 °C, <HAR>, Halogen-free single core, harmonised, for wiring in control cabinets, nominal voltage 300/500V

Info

CPR: Article number choice under www.lappkabel.com/cpr
Halogen-free and harmonised (HAR)
For expanded ambient temperatures
see ÖLFLEX® HEAT 125 SC





Halogen-free

Benefits

Protection of human life and the environment thanks to the avoidance of the formation of acid in case of fire
Time-saving assembly

Application range

For wiring of lamps, devices, switchgear cabinets and distribution boxes
For installation in tubes, on, in and under plaster as well as in closed installation ducts
In building with a high density of people or valuable assets
For use in dry rooms
For expanded ambient temperatures
see ÖLFLEX® HEAT 125 SC

Product features

The insulation material is halogen-free and free of other materials which could release toxic gases in the event of fire
Low amount of corrosive gases in the event of fire
Low smokes/low smoke density in the event of fire according to IEC 61034
Flame-retardant according IEC 60332-1-2

Norm references / Approvals

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<HAR> cable type certification acc. EN 50525-3-41

Product Make-up

Fine-wire strand made of bare copper wires
Core insulation: Halogen-free

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000993 ETIM 6.0 Class-Description: Single core cable
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius:	According to EN 50565-1 4 x outer diameter (OD) for normal use; 2 x OD for cautions bending
Nominal voltage:	U0/U: 300/500 V
Test voltage:	2000 V AC
Current rating:	VDE 0298-4 EN 50565-1/ VDE 0298-565-1
Temperature range:	During installation: -5°C bis +90°C Fixed installation: -40°C bis +90°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.
Packaging size: Coil ≤ 30 kg, otherwise drum
* Trade product, no Lapp product
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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PRODUCT INFORMATION

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Article number	Conductor cross-section (mm^2)	Outer diameter [mm]	Core colour	m/ring	m/box	m/spool	Copper index (kg/km)	Weight (kg/km)
4725001S	0.5	2.1 - 2.6	green/yellow	-	-	250	4.8	9
4725121S	0.5	2.1 - 2.6	green	-	-	250	4.8	9
4725031S	0.5	2.1 - 2.6	brown	-	-	250	4.8	9
4725011S	0.5	2.1 - 2.6	black	-	-	250	4.8	9
4725061S	0.5	2.1 - 2.6	grey	-	-	250	4.8	9
4725021S	0.5	2.1 - 2.6	blue	-	-	250	4.8	9
4725141S	0.5	2.1 - 2.6	dark blue	-	-	250	4.8	9
4725091S	0.5	2.1 - 2.6	orange	-	-	250	4.8	9
4725071S	0.5	2.1 - 2.6	violet	-	-	250	4.8	9
4725111S	0.5	2.1 - 2.6	yellow	-	-	250	4.8	9
4725051S	0.5	2.1 - 2.6	white	-	-	250	4.8	9
4725041S	0.5	2.1 - 2.6	red	-	-	250	4.8	9
4725002S	0.75	2.2 - 2.8	green/yellow	-	-	250	7.2	11
4725122S	0.75	2.2 - 2.8	green	-	-	250	7.2	11
4725032S	0.75	2.2 - 2.8	brown	-	-	250	7.2	11
4725012S	0.75	2.2 - 2.8	black	-	-	250	7.2	11
4725062S	0.75	2.2 - 2.8	grey	-	-	250	7.2	11
4725022S	0.75	2.2 - 2.8	blue	-	-	250	7.2	11
4725142S	0.75	2.2 - 2.8	dark blue	-	-	250	7.2	11
4725092S	0.75	2.2 - 2.8	orange	-	-	250	7.2	11
4725072S	0.75	2.2 - 2.8	violet	-	-	250	7.2	11
4725112S	0.75	2.2 - 2.8	yellow	-	-	250	7.2	11
4725052S	0.75	2.2 - 2.8	white	-	-	250	7.2	11
4725042S	0.75	2.2 - 2.8	red	-	-	250	7.2	11
4725003S	1	2.4 - 2.9	green/yellow	-	-	250	9.6	14
4725123S	1	2.4 - 2.9	green	-	-	250	9.6	14
4725033S	1	2.4 - 2.9	brown	-	-	250	9.6	14
4725013S	1	2.4 - 2.9	black	-	-	250	9.6	14
4725063S	1	2.4 - 2.9	grey	-	-	250	9.6	14
4725023S	1	2.4 - 2.9	blue	-	-	250	9.6	14
4725143S	1	2.4 - 2.9	dark blue	-	-	250	9.6	14
4725093S	1	2.4 - 2.9	orange	-	-	250	9.6	14
4725073S	1	2.4 - 2.9	violet	-	-	250	9.6	14
4725113S	1	2.4 - 2.9	yellow	-	-	250	9.6	14

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4725053S	1	2.4 - 2.9	white	-	-	250	9.6	14
4725043S	1	2.4 - 2.9	red	-	-	250	9.6	14
4725001	0.5	2.1 - 2.6	green/yellow	100	-	-	4.8	9
4725001K	0.5	2.1 - 2.6	green/yellow	-	3000	-	4.8	9
4725121	0.5	2.1 - 2.6	green	100	-	-	4.8	9
4725121K	0.5	2.1 - 2.6	green	-	3000	-	4.8	9
4725031	0.5	2.1 - 2.6	brown	100	-	-	4.8	9
4725031K	0.5	2.1 - 2.6	brown	-	3000	-	4.8	9
4725011	0.5	2.1 - 2.6	black	100	-	-	4.8	9
4725011K	0.5	2.1 - 2.6	black	-	3000	-	4.8	9
4725061	0.5	2.1 - 2.6	grey	100	-	-	4.8	9
4725061K	0.5	2.1 - 2.6	grey	-	3000	-	4.8	9
4725021	0.5	2.1 - 2.6	blue	100	-	-	4.8	9
4725021K	0.5	2.1 - 2.6	blue	-	3000	-	4.8	9
4725141	0.5	2.1 - 2.6	dark blue	100	-	-	4.8	9
4725141K	0.5	2.1 - 2.6	dark blue	-	3000	-	4.8	9
4725091	0.5	2.1 - 2.6	orange	100	-	-	4.8	9
4725091K	0.5	2.1 - 2.6	orange	-	3000	-	4.8	9
4725071	0.5	2.1 - 2.6	violet	100	-	-	4.8	9
4725071K	0.5	2.1 - 2.6	violet	-	3000	-	4.8	9
4725111	0.5	2.1 - 2.6	yellow	100	-	-	4.8	9
4725111K	0.5	2.1 - 2.6	yellow	-	3000	-	4.8	9
4725051	0.5	2.1 - 2.6	white	100	-	-	4.8	9
4725051K	0.5	2.1 - 2.6	white	-	3000	-	4.8	9
4725041	0.5	2.1 - 2.6	red	100	-	-	4.8	9
4725041K	0.5	2.1 - 2.6	red	-	3000	-	4.8	9
4725081	0.5	2.1 - 2.6	pink	100	-	-	4.8	9
4725081K	0.5	2.1 - 2.6	pink	-	3000	-	4.8	9
4725002	0.75	2.2 - 2.8	green/yellow	100	-	-	7.2	11
4725002K	0.75	2.2 - 2.8	green/yellow	-	2500	-	7.2	11
4725122	0.75	2.2 - 2.8	green	100	-	-	7.2	11
4725122K	0.75	2.2 - 2.8	green	-	2500	-	7.2	11
4725032	0.75	2.2 - 2.8	brown	100	-	-	7.2	11
4725032K	0.75	2.2 - 2.8	brown	-	2500	-	7.2	11

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Article number	Conductor cross-section (mm^2)	Outer diameter [mm]	Core colour	m/ring	m/box	m/spool	Copper index (kg/km)	Weight (kg/km)
4725012	0.75	2.2 - 2.8	black	100	-	-	7.2	11
4725012K	0.75	2.2 - 2.8	black	-	2500	-	7.2	11
4725062	0.75	2.2 - 2.8	grey	100	-	-	7.2	11
4725062K	0.75	2.2 - 2.8	grey	-	2500	-	7.2	11
4725022	0.75	2.2 - 2.8	blue	100	-	-	7.2	11
4725022K	0.75	2.2 - 2.8	blue	-	2500	-	7.2	11
4725142	0.75	2.2 - 2.8	dark blue	100	-	-	7.2	11
4725142K	0.75	2.1 - 2.8	dark blue	-	2500	-	7.2	11
4725092	0.75	2.1 - 2.8	orange	100	-	-	7.2	11
4725092K	0.75	2.1 - 2.8	orange	-	2500	-	7.2	11
4725072	0.75	2.2 - 2.8	violet	100	-	-	7.2	11
4725072K	0.75	2.2 - 2.8	violet	-	2500	-	7.2	11
4725112	0.75	2.2 - 2.8	yellow	100	-	-	7.2	11
4725112K	0.75	2.2 - 2.8	yellow	-	2500	-	7.2	11
4725052	0.75	2.2 - 2.8	white	100	-	-	7.2	11
4725052K	0.75	2.2 - 2.8	white	-	2500	-	7.2	11
4725042	0.75	2.2 - 2.8	red	100	-	-	7.2	11
4725042K	0.75	2.2 - 2.8	red	-	2500	-	7.2	11
4725082	0.75	2.2 - 2.8	pink	100	-	-	7.2	11
4725082K	0.75	2.2 - 2.8	pink	-	2500	-	7.2	11
4725003	1	2.4 - 2.9	green/yellow	100	-	-	9.6	14
4725003K	1	2.4 - 2.9	green/yellow	-	2000	-	9.6	14
4725123	1	2.4 - 2.9	green	100	-	-	9.6	14
4725123K	1	2.4 - 2.9	green	-	2000	-	9.6	14
4725033	1	2.4 - 2.9	brown	100	-	-	9.6	14
4725033K	1	2.4 - 2.9	brown	-	2000	-	9.6	14
4725013	1	2.4 - 2.9	black	100	-	-	9.6	14
4725013K	1	2.4 - 2.9	black	-	2000	-	9.6	14
4725063	1	2.4 - 2.9	grey	100	-	-	9.6	14
4725063K	1	2.4 - 2.9	grey	-	2000	-	9.6	14
4725023	1	2.4 - 2.9	blue	100	-	-	9.6	14
4725023K	1	2.4 - 2.9	blue	-	2000	-	9.6	14
4725143	1	2.4 - 2.9	dark blue	100	-	-	9.6	14
4725143K	1	2.4 - 2.9	dark blue	-	2000	-	9.6	14

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4725093	1	2.4 - 2.9	orange	100	-	-	9.6	14
4725093K	1	2.4 - 2.9	orange	-	2000	-	9.6	14
4725073	1	2.4 - 2.9	violet	100	-	-	9.6	14
4725073K	1	2.4 - 2.9	violet	-	2000	-	9.6	14
4725113	1	2.4 - 2.9	yellow	100	-	-	9.6	14
4725113K	1	2.4 - 2.9	yellow	-	2000	-	9.6	14
4725053	1	2.4 - 2.9	white	100	-	-	9.6	14
4725053K	1	2.4 - 2.9	white	-	2000	-	9.6	14
4725043	1	2.4 - 2.9	red	100	-	-	9.6	14
4725043K	1	2.4 - 2.9	red	-	2000	-	9.6	14
4725083	1	2.4 - 2.9	pink	100	-	-	9.6	14
4725083K	1	2.4 - 2.9	pink	-	2000	-	9.6	14
4725263K	1	2.4 - 2.9	blue/white	-	2000	-	9.6	14

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