H07Z-K 90°C

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

H07Z-K 90°C, <HAR>, halogen-free single core, harmonised, for wiring in control cabinets, nominal voltage 450/750V

Info

CPR: Article number choice under www.lappkabel.com/cpr
Halogen-free and harmonised (HAR)
For expanded ambient temperatures
and higher conductor cross-sections
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
and higher conductor cross-sections
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

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Norm references / Approvals

<HAR> cable type certification acc. EN 50525-3-41
No cable type certified core insulation colours according to EN 50525-1/ VDE 0285-525-1: transparent, green (single colour), yellow (single colour), all double colours (except of green-yellow and yellow-green)

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 OD ≤ 8 mm: 4 x OD*/2 x OD**; 8 < OD ≤ 12 mm: 5 x OD*/3 x OD**; OD > 12 mm: 6 x OD*/4 x OD**
Nominal voltage:	U0/U: 450/ 750 V
Test voltage:	2500 V
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.
*for conventional use, **for careful bending; "OD" = outer diameter

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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)
4726001S	1.5	2.8 - 3.5	green/yellow	-	-	150	14.4	20
4726121S	1.5	2.8 - 3.5	green	-	-	150	14.4	20
4726031S	1.5	2.8 - 3.5	brown	-	-	150	14.4	20
4726011S	1.5	2.8 - 3.5	black	-	-	150	14.4	20
4726061S	1.5	2.8 - 3.5	grey	-	-	150	14.4	20
4726021S	1.5	2.8 - 3.5	blue	-	-	150	14.4	20
4726141S	1.5	2.8 - 3.5	dark blue	-	-	150	14.4	20
4726091S	1.5	2.8 - 3.5	orange	-	-	150	14.4	20
4726071S	1.5	2.8 - 3.5	violet	-	-	150	14.4	20
4726111S	1.5	2.8 - 3.5	yellow	-	-	150	14.4	20
4726051S	1.5	2.8 - 3.5	white	-	-	150	14.4	20
4726041S	1.5	2.8 - 3.5	red	-	-	150	14.4	20
4726002S	2.5	3.4 - 4.3	green/yellow	-	-	100	24	32
4726122S	2.5	3.4 - 4.3	green	-	-	100	24	32
4726032S	2.5	3.4 - 4.3	brown	-	-	100	24	32
4726012S	2.5	3.4 - 4.3	black	-	-	100	24	32
4726062S	2.5	3.4 - 4.3	grey	-	-	100	24	32
4726022S	2.5	3.4 - 4.3	blue	-	-	100	24	32
4726142S	2.5	3.4 - 4.3	dark blue	-	-	100	24	32
4726092S	2.5	3.4 - 4.3	orange	-	-	100	24	32
4726072S	2.5	3.4 - 4.3	violet	-	-	100	24	32
4726112S	2.5	3.4 - 4.3	yellow	-	-	100	24	32
4726052S	2.5	3.4 - 4.3	white	-	-	100	24	32
4726042S	2.5	3.4 - 4.3	red	-	-	100	24	32
4726001	1.5	2.8 - 3.5	green/yellow	100	-	-	14.4	20
4726001K	1.5	2.8 - 3.5	green/yellow	-	1500	-	14.4	20
4726121	1.5	2.8 - 3.5	green	100	-	-	14.4	20
4726121K	1.5	2.8 - 3.5	green	-	1500	-	14.4	20
4726031	1.5	2.8 - 3.5	brown	100	-	-	14.4	20
4726031K	1.5	2.8 - 3.5	brown	-	1500	-	14.4	20
4726011	1.5	2.8 - 3.5	black	100	-	-	14.4	20
4726011K	1.5	2.8 - 3.5	black	-	1500	-	14.4	20
4726061	1.5	2.8 - 3.5	grey	100	-	-	14.4	20
4726061K	1.5	2.8 - 3.5	grey	-	1500	-	14.4	20

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4726021	1.5	2.8 - 3.5	blue	100	-	-	14.4	20
4726021K	1.5	2.8 - 3.5	blue	-	1500	-	14.4	20
4726141	1.5	2.8 - 3.5	dark blue	100	-	-	14.4	20
4726141K	1.5	2.8 - 3.5	dark blue	-	1500	-	14.4	20
4726091	1.5	2.8 - 3.5	orange	100	-	-	14.4	20
4726091K	1.5	2.8 - 3.5	orange	-	1500	-	14.4	20
4726071	1.5	2.8 - 3.5	violet	100	-	-	14.4	20
4726071K	1.5	2.8 - 3.5	violet	-	1500	-	14.4	20
4726111	1.5	2.8 - 3.5	yellow	100	-	-	14.4	20
4726111K	1.5	2.8 - 3.5	yellow	-	1500	-	14.4	20
4726051	1.5	2.8 - 3.5	white	100	-	-	14.4	20
4726051K	1.5	2.8 - 3.5	white	-	1500	-	14.4	20
4726041	1.5	2.8 - 3.5	red	100	-	-	14.4	20
4726041K	1.5	2.8 - 3.5	red	-	1500	-	14.4	20
4726081	1.5	2.8 - 3.5	pink	100	-	-	14.4	20
4726081K	1.5	2.8 - 3.5	pink	-	1500	-	14.4	20
4726261K	1.5	2.8 - 3.5	blue/white	-	1500	-	14.4	20
4726002	2.5	3.4 - 4.3	green/yellow	100	-	-	24	32
4726002K	2.5	3.4 - 4.3	green/yellow	-	900	-	24	32
4726122	2.5	3.4 - 4.3	green	100	-	-	24	32
4726122K	2.5	3.4 - 4.3	green	-	900	-	24	32
4726032	2.5	3.4 - 4.3	brown	100	-	-	24	32
4726032K	2.5	3.4 - 4.3	brown	-	900	-	24	32
4726012	2.5	3.4 - 4.3	black	100	-	-	24	32
4726012K	2.5	3.4 - 4.3	black	-	900	-	24	32
4726062	2.5	3.4 - 4.3	grey	100	-	-	24	32
4726062K	2.5	3.4 - 4.3	grey	-	900	-	24	32
4726022	2.5	3.4 - 4.3	blue	100	-	-	24	32
4726022K	2.5	3.4 - 4.3	blue	-	900	-	24	32
4726142	2.5	3.4 - 4.3	dark blue	100	-	-	24	32
4726142K	2.5	3.4 - 4.3	dark blue	-	900	-	24	32
4726092	2.5	3.4 - 4.3	orange	100	-	-	24	32
4726092K	2.5	3.4 - 4.3	orange	-	900	-	24	32
4726072	2.5	3.4 - 4.3	violet	100	-	-	24	32

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4726072K	2.5	3.4 - 4.3	violet	-	900	-	24	32
4726112	2.5	3.4 - 4.3	yellow	100	-	-	24	32
4726112K	2.5	3.4 - 4.3	yellow	-	900	-	24	32
4726052	2.5	3.4 - 4.3	white	100	-	-	24	32
4726052K	2.5	3.4 - 4.3	white	-	900	-	24	32
4726042	2.5	3.4 - 4.3	red	100	-	-	24	32
4726042K	2.5	3.4 - 4.3	red	-	900	-	24	32
4726082	2.5	3.4 - 4.3	pink	100	-	-	24	32
4726082K	2.5	3.4 - 4.3	pink	-	900	-	24	32
4726262K	2.5	3.4 - 4.3	blue/white	-	900	-	24	32
4726003	4	3.9 - 4.9	green/yellow	100	-	-	38.4	45
4726003K	4	3.9 - 4.9	green/yellow	-	600	-	38.4	45
4726123	4	3.9 - 4.9	green	100	-	-	38.4	45
4726123K	4	3.9 - 4.9	green	-	600	-	38.4	45
4726033	4	3.9 - 4.9	brown	100	-	-	38.4	45
4726033K	4	3.9 - 4.9	brown	-	600	-	38.4	45
4726013	4	3.9 - 4.9	black	100	-	-	38.4	45
4726013K	4	3.9 - 4.9	black	-	600	-	38.4	45
4726063	4	3.9 - 4.9	grey	100	-	-	38.4	45
4726063K	4	3.9 - 4.9	grey	-	600	-	38.4	45
4726023	4	3.9 - 4.9	blue	100	-	-	38.4	45
4726023K	4	3.9 - 4.9	blue	-	600	-	38.4	45
4726143	4	3.9 - 4.9	dark blue	100	-	-	38.4	45
4726143K	4	3.9 - 4.9	dark blue	-	600	-	38.4	45
4726093	4	3.9 - 4.9	orange	100	-	-	38.4	45
4726093K	4	3.9 - 4.9	orange	-	600	-	38.4	45
4726073	4	3.9 - 4.9	violet	100	-	-	38.4	45
4726073K	4	3.9 - 4.9	violet	-	600	-	38.4	45
4726113	4	3.9 - 4.9	yellow	100	-	-	38.4	45
4726113K	4	3.9 - 4.9	yellow	-	600	-	38.4	45
4726053	4	3.9 - 4.9	white	100	-	-	38.4	45
4726053K	4	3.9 - 4.9	white	-	600	-	38.4	45
4726043	4	3.9 - 4.9	red	100	-	-	38.4	45
4726043K	4	3.9 - 4.9	red	-	600	-	38.4	45

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4726083	4	3.9 - 4.9	pink	100	-	-	38.4	45
4726083K	4	3.9 - 4.9	pink	-	600	-	38.4	45
4726004	6	4.4 - 5.5	green/yellow	100	-	-	57.6	65
4726004K	6	4.4 - 5.5	green/yellow	-	400	-	57.6	65
4726124	6	4.4 - 5.5	green	100	-	-	57.6	65
4726124K	6	4.4 - 5.5	green	-	400	-	57.6	65
4726034	6	4.4 - 5.5	brown	100	-	-	57.6	65
4726034K	6	4.4 - 5.5	brown	-	400	-	57.6	65
4726014	6	4.4 - 5.5	black	100	-	-	57.6	65
4726014K	6	4.4 - 5.5	black	-	400	-	57.6	65
4726064	6	4.4 - 5.5	grey	100	-	-	57.6	65
4726064K	6	4.4 - 5.5	grey	-	400	-	57.6	65
4726024	6	4.4 - 5.5	blue	100	-	-	57.6	65
4726024K	6	4.4 - 5.5	blue	-	400	-	57.6	65
4726144	6	4.4 - 5.5	dark blue	100	-	-	57.6	65
4726144K	6	4.4 - 5.5	dark blue	-	400	-	57.6	65
4726094	6	4.4 - 5.5	orange	100	-	-	57.6	65
4726094K	6	4.4 - 5.5	orange	-	400	-	57.6	65
4726074	6	4.4 - 5.5	violet	100	-	-	57.6	65
4726074K	6	4.4 - 5.5	violet	-	400	-	57.6	65
4726114	6	4.4 - 5.5	yellow	100	-	-	57.6	65
4726114K	6	4.4 - 5.5	yellow	-	400	-	57.6	65
4726054	6	4.4 - 5.5	white	100	-	-	57.6	65
4726054K	6	4.4 - 5.5	white	-	400	-	57.6	71
4726044	6	4.4 - 5.5	red	100	-	-	57.6	65
4726044K	6	4.4 - 5.5	red	-	400	-	57.6	65
4726084	6	4.4 - 5.5	pink	100	-	-	57.6	65
4726084K	6	4.4 - 5.5	pink	-	400	-	57.6	65
4726005	10	5.7 - 7.1	green/yellow	100	-	-	96	110
4726125	10	5.7 - 7.1	green	100	-	-	96	110
4726035	10	5.7 - 7.1	brown	100	-	-	96	110
4726015	10	5.7 - 7.1	black	100	-	-	96	110
4726065	10	5.7 - 7.1	grey	100	-	-	96	110
4726025	10	5.7 - 7.1	blue	100	-	-	96	110

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4726145	10	5.7 - 7.1	dark blue	100	-	-	96	110
4726095	10	5.7 - 7.1	orange	100	-	-	96	110
4726075	10	5.7 - 7.1	violet	100	-	-	96	110
4726115	10	5.7 - 7.1	yellow	100	-	-	96	110
4726055	10	5.7 - 7.1	white	100	-	-	96	110
4726045	10	5.7 - 7.1	red	100	-	-	96	110
4726085	10	5.7 - 7.1	pink	100	-	-	96	110
4726006	16	6.7 - 8.4	green/yellow	100	-	-	153.6	170
4726126	16	6.7 - 8.4	green	100	-	-	153.6	170
4726036	16	6.7 - 8.4	brown	100	-	-	153.6	170
4726016	16	6.7 - 8.4	black	100	-	-	153.6	170
4726066	16	6.7 - 8.4	grey	100	-	-	153.6	170
4726026	16	6.7 - 8.4	blue	100	-	-	153.6	170
4726146	16	6.7 - 8.4	dark blue	100	-	-	153.6	170
4726096	16	6.7 - 8.4	orange	100	-	-	153.6	170
4726076	16	6.7 - 8.4	violet	100	-	-	153.6	170
4726116	16	6.7 - 8.4	yellow	100	-	-	153.6	170
4726056	16	6.7 - 8.4	white	100	-	-	153.6	170
4726046	16	6.7 - 8.4	red	100	-	-	153.6	170
4726086	16	6.7 - 8.4	pink	100	-	-	153.6	170
4726007	25	8.4 - 10.6	green/yellow	100	-	-	240	290
4726127	25	8.4 - 10.6	green	100	-	-	240	290
4726037	25	8.4 - 10.6	brown	100	-	-	240	290
4726017	25	8.4 - 10.6	black	100	-	-	240	290
4726067	25	8.4 - 10.6	grey	100	-	-	240	290
4726027	25	8.4 - 10.6	blue	100	-	-	240	290
4726147	25	8.4 - 10.6	dark blue	100	-	-	240	290
4726097	25	8.4 - 10.6	orange	100	-	-	240	290
4726077	25	8.4 - 10.6	violet	100	-	-	240	290
4726117	25	8.4 - 10.6	yellow	100	-	-	240	290
4726057	25	8.4 - 10.6	white	100	-	-	240	290
4726047	25	8.4 - 10.6	red	100	-	-	240	290
4726087	25	8.4 - 10.6	pink	100	-	-	240	290
4726008	35	9.7 - 12.1	green/yellow	-	-	-	336	380

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4726128	35	9.7 - 12.1	green	-	-	-	336	380
4726038	35	9.7 - 12.1	brown	-	-	-	336	380
4726018	35	9.7 - 12.1	black	-	-	-	336	380
4726068	35	9.7 - 12.1	grey	-	-	-	336	380
4726028	35	9.7 - 12.1	blue	-	-	-	336	380
4726148	35	9.7 - 12.1	dark blue	-	-	-	336	380
4726098	35	9.7 - 12.1	orange	-	-	-	336	380
4726078	35	9.7 - 12.1	violet	-	-	-	336	380
4726118	35	9.7 - 12.1	yellow	-	-	-	336	380
4726058	35	9.7 - 12.1	white	-	-	-	336	380
4726048	35	9.7 - 12.1	red	-	-	-	336	380
4726088	35	9.7 - 12.1	pink	-	-	-	336	380
4726009	50	11.5 - 14.4	green/yellow	-	-	-	480	530
4726129	50	11.5 - 14.4	green	-	-	-	480	530
4726039	50	11.5 - 14.4	brown	-	-	-	480	530
4726019	50	11.5 - 14.4	black	-	-	-	480	530
4726069	50	11.5 - 14.4	grey	-	-	-	480	530
4726029	50	11.5 - 14.4	blue	-	-	-	480	530
4726149	50	11.5 - 14.4	dark blue	-	-	-	480	530
4726099	50	11.5 - 14.4	orange	-	-	-	480	530
4726079	50	11.5 - 14.4	violet	-	-	-	480	530
4726119	50	11.5 - 14.4	yellow	-	-	-	480	530
4726059	50	11.5 - 14.4	white	-	-	-	480	530
4726049	50	11.5 - 14.4	red	-	-	-	480	530
4726089	50	11.5 - 14.4	pink	-	-	-	480	530
4727001	70	13.2 - 16.6	green/yellow	-	-	-	672	750
4727121	70	13.2 - 16.6	green	-	-	-	672	750
4727031	70	13.2 - 16.6	brown	-	-	-	672	750
4727011	70	13.2 - 16.6	black	-	-	-	672	750
4727061	70	13.2 - 16.6	grey	-	-	-	672	750
4727021	70	13.2 - 16.6	blue	-	-	-	672	750
4727141	70	13.2 - 16.6	dark blue	-	-	-	672	750
4727091	70	13.2 - 16.6	orange	-	-	-	672	750
4727071	70	13.2 - 16.6	violet	-	-	-	672	750

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4727111	70	13.2 - 16.6	yellow	-	-	-	672	750
4727051	70	13.2 - 16.6	white	-	-	-	672	750
4727041	70	13.2 - 16.6	red	-	-	-	672	750
4727081	70	13.2 - 16.6	pink	-	-	-	672	750
4727002	95	15.1 - 18.8	green/yellow	-	-	-	912	1000
4727122	95	15.1 - 18.8	green	-	-	-	912	1000
4727032	95	15.1 - 18.8	brown	-	-	-	912	1000
4727012	95	15.1 - 18.8	black	-	-	-	912	1000
4727062	95	15.1 - 18.8	grey	-	-	-	912	1000
4727022	95	15.1 - 18.8	blue	-	-	-	912	1000
4727142	95	15.1 - 18.8	dark blue	-	-	-	912	1000
4727092	95	15.1 - 18.8	orange	-	-	-	912	1000
4727072	95	15.1 - 18.8	violet	-	-	-	912	1000
4727112	95	15.1 - 18.8	yellow	-	-	-	912	1000
4727052	95	15.1 - 18.8	white	-	-	-	912	1000
4727042	95	15.1 - 18.8	red	-	-	-	912	1000
4727082	95	15.1 - 18.8	pink	-	-	-	912	1000

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