



## H07Z-K

## Halogen-Free Single Core Wire

### Application:

For the installation in electrical conduit on or under plaster or in similar closed systems especially for applications where there is a requirement for low smoke and corrosive gas creation in the event of fire, however not outside.



### Construction:

- 1 ..... fine-stranded tinned or bare copper
- 2 ..... core insulation of halogen-free, cross-linked polyolefin copolymerisate (EI5)

### Standards:

- DIN VDE 0282-9
- HD 22.9 S2+A1
- DIN EN 60228 class 5 (construction)

### Technical data:

Nominal voltage U <sub>0</sub> /U	[V]	450 / 750 Volt
Test voltage	[V] <sub>AC</sub>	2500
Temperature range	fixed	+5°C till +90°C
Operating temperature	short circuit	250°C
Short circuit time	max.	[sec]
Bending radius	one time / fixed	x diameter
Flammability	standard	EN 60332-1 IEC 60332-1

Nominal cross section mm <sup>2</sup>	Colours	from stock	Copper figure kg/km	Overall diameter appr.mm	Calorific potential kWh / m	Weight appr. kg / km
1,5	bk/bl/br/dbl	●	15	2,9	0,40	20
	yg/gr/wt/or/rd	●	15	2,9	0,40	20
	ye/vio/gn	●	15	2,9	0,40	20
2,5	bk/bl/lbl/br	●	25	3,6	0,49	32
	yg/gy/rd	●	25	3,6	0,49	32
	vio/ye	●	25	3,6	0,49	32
4	bk/bl/br/yg	●	40	4,1	0,59	46
	gr/rd	●	40	4,1	0,59	46
6	bk/bl/br/yg	●	60	4,8	0,71	65
	gr/rd	○	60	4,8	0,71	65
10	bk/bl	●	100	6,3	0,89	111
	yg/rd/gr	●	100	6,3	0,89	111
16	bk/bl/br/yg	●	160	7,2	1,20	166
25	bk/bl/yg/br	●	250	9,0	1,80	255
35	bk/yg	●	350	10,1	2,20	348
	bl	○	350	10,1	2,20	348
50	bk/yg	●	500	12,0	2,90	501
	bl	○	500	12,0	2,90	501
70	bk/yg	●	700	13,6	3,70	685
95	bk/yg	●	950	15,6	4,30	902
120	bk/gg	●	1.200	17,2	6,60	1.120
150	bk	●	1.500	19,3	8,40	1.526
185	bk	●	1.850	21,5	10,10	1.869
240	bk	●	2.400	25,0	12,90	2.365