

## 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
Short circuit time	max.	5
Bending radius	one time / fixed	6
Flammability	standard	EN 60332-1 IEC 60332-1

Nominal cross section mm <sup>2</sup>	Colours	Copper figure kg/km	Overall diameter appr.mm	Calorific potential kWh/m	Weight appr. kg/km
1,5	bk/bl/br/dbl	14,4	2,9	0,40	20
	yg/gr/wt/or/rd	14,4	2,9	0,40	20
2,5	bk/bl/lbl/br	24,0	3,6	0,49	32
	yg/gy/rd	24,0	3,6	0,49	32
4	bk/bl/br	38,4	4,1	0,59	46
	yg/gy/rd	38,4	4,1	0,59	46
6	bk/bl/br	57,6	4,8	0,71	65
	yg/gy/rd	57,6	4,8	0,71	65
10	bk/bl	96,0	6,3	0,89	111
	yg	96,0	6,3	0,89	111
16	bk/bl/br	153,6	7,2	1,20	166
	yg	153,6	7,2	1,20	166
25	bk/bl/br	240,0	9,0	1,80	255
	yg	240,0	9,0	1,80	255
35	bk/bl	336,0	10,1	2,20	348
	yg	336,0	10,1	2,20	348
50	bk/bl	480,0	12,0	2,90	501
	yg	480,0	12,0	2,90	501
70	bk	672,0	13,6	3,70	685
	yg	672,0	13,6	3,70	685
95	bk	912,0	15,6	4,30	902
	yg	912,0	15,6	4,30	902