

# EUROPEAN STANDARDIZED CABLES

**H05Z-K  
H07Z-K**

Harmonized halogen free hook up wire  
300/500 volts and 450/750 volts



**HAR CE**



Marking for H07Z-K 31870189: SAB North America H07Z-K 1G16 450/750VCE

H05Z-K & H07Z-K are a halogen free, <HAR> approved hook-up wire. They also have very good low emission of smoke and corrosive gases. With a class 5 stranding, they are flexible for easier wiring.

## Construction:

<b>Conductor:</b>	Class 5 annealed bare copper conductor acc. to EN 60228
<b>Insulation:</b>	special thermosetting low smoke zero halogen compound type EI5 acc. to EN 50363-5
<b>H05Z-K:</b>	HAR/CE from 20 AWG - 18 AWG
<b>H07Z-K:</b>	HAR/CE from 16 AWG - 6 AWG
<b>Color:</b>	see color code chart

## Outstanding features:

- ▶ flexing single conductor
- ▶ harmonized acc. to European standards
- ▶ Halogen free, low smoke and low corrosive gases

## Technical data:

<b>Nominal voltage H05Z-K:</b>	DIN VDE Uo/U 300/500 V
<b>Nominal voltage H07Z-K:</b>	DIN VDE Uo/U 450/750 V
<b>Testing voltage H05Z-K:</b>	2500 V
<b>Testing voltage H07Z-K:</b>	2500 V
<b>Min. bending radius:</b>	4 x O.D.
<b>Temperature range</b>	
<i>static:</i>	-40/+90 °C
<i>flexible:</i>	+5/+90 °C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to EN 60332-1-2 and EN 60332-3-24
<b>Corrosivity:</b>	EN 50267-2-2 : pH ≥ 4,3; Conductivity: ≤ 10µS/mm
	EN 50627-2-1: HCL ≤ 0,5%
<b>Smoke density:</b>	EN 61034-2
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

### H05Z-K HAR / CE

item no.	mm <sup>2</sup>	AWG	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 3186..50	0.50	20	0.087	2.2	6
▶ 3186..80	1.00	18	0.091	2.3	9

Other colors are possible on request.

### H07Z-K HAR / CE

item no.	mm <sup>2</sup>	AWG	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 3187..82	1.50	16	0.114	2.9	13
▶ 3187..84	2.50	14	0.142	3.6	20
▶ 3187..86	4.00	12	0.161	4.1	30
▶ 3187..87	6.00	10	0.181	4.6	42
▶ 3187..88	10.00	8	0.236	6.0	71
▶ 3187..89	16.00	6	0.280	7.1	107

Other colors are possible on request.

#### \* Color code for single conductors:

01 = black	08 = white
02 = blue	09 = orange
03 = brown	11 = red
04 = gray	17 = pink
07 = violet	27 = green-yellow

**H  
6**