

European Standardized Cables

H05Z-K Harmonized halogen-free hook-up wire, 300/500 V

H07Z-K Harmonized halogen-free hook-up wire, 450/750 V



H07Z-K 1X16 450/750V CE RoHS

Construction:

Conductor:	class 5 annealed bare copper conductor acc. to EN 60228
Insulation:	special thermosetting low smoke zero halogen compound type EI5 acc. to EN 50363-5
Color code:	see color code chart below

Outstanding features:

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

Technical data:

Nominal voltage:	H05Z-K	H07Z-K
<i>DIN/VDE:</i>	U ₀ /U 300/500 V	U ₀ /U 450/750 V
Testing voltage:	H05V-K	H07V-K
	2500 V	2500 V
Min. bending radius:		
≤ 8 mm	4 x O.D.	
≤ 12 mm	5 x O.D.	
> 12mm	6 x O.D.	
Temperature range:		
<i>static:</i>	-40/+90°C	
<i>flexible:</i>	+5/+90°C	
Burning characteristics:	flame retardant and self-extinguishing acc. to EN 60332-1-2	
Corrosivity:	EN 50267-2.2/ VDE 0482-267-2-2 HD 22.1/ VDE 0282-1	
Smoke Density:	EN 61034-2	
Approvals:		
<i>H05Z-K:</i>	HAR/CE	
<i>H07Z-K:</i>	16 AWG - 6 AWG: HAR/CE 4 AWG - 4/0 AWG: CE	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

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H05Z-K - HAR/CE

item no.	mm ²	AWG	nominal outer-ø		cable weight
			inch	mm	≈lbs/mft
▶ 3186 .. 50	0.50	20 (≈ 16/32)	0.102	2.6	6
▶ 3186 .. 80	1.00	18 (≈ 30/32)	0.114	2.9	7

Other colors are available on request

H07Z-K - HAR/CE

item no.	mm ²	AWG	nominal outer-ø		cable weight
			inch	mm	≈lbs/mft
▶ 3187 .. 82	1.50	16 (≈ 27/30)	0.138	3.5	13
▶ 3187 .. 84	2.50	14 (≈ 46/30)	0.169	4.3	21
▶ 3187 .. 86	4.00	12 (≈ 52/28)	0.193	4.9	30
▶ 3187 .. 87	6.00	10 (≈ 78/28)	0.217	5.5	44
▶ 3187 .. 88	10.00	8 (≈ 77/26)	0.280	7.1	74
▶ 3187 .. 89	16.00	6 (≈ 122/26)	0.331	8.4	114

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H07Z-K - CE

item no.	mm ²	AWG	nominal outer-ø		cable weight
			inch	mm	≈lbs/mft
▶ 3187 .. 90	25.00	4 (≈ 190/26)	0.417	10.6	195
▶ 3187 .. 91	35.00	2 (≈ 272/26)	0.476	12.1	255
▶ 3187 .. 92	50.00	1 (≈ 400/26)	0.567	14.4	355
▶ 3187 .. 93	70.00	2/0 (≈ 353/26)	0.654	16.6	503
▶ 3187 .. 94	95.00	3/0 (≈ 484/24)	0.740	18.8	671
▶ 3187 .. 95	120.00	4/0 (≈ 589/24)	0.768	19.5	846

Other colors are available 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