

# Halogen-free <HAR> hook-up wire

## Type H05Z-K & H07Z-K



### Recommended applications

Wiring devices, switch gear cabinets, and distribution boxes; in tubes on, in, or under plaster; closed installation ducts; dry rooms; areas where human safety and damage to electronic components are a concern

### Approvals



### Construction

**Conductors:** finely stranded bare copper

**Insulation:** cross-linked, halogen-free

### Application advantage

- Low smoke, zero halogen (LSZH)
- Flame retardant
- 13 standard color options
- Embossed cable marking available upon request

Cable attributes		page 648	
OIL	OR-01	FLAME	FR-02
MOTION	FL-02	MECH.	MP-01

### Technical data

**Temperature range:** -15°C to +90°C

**Nominal voltage:**  
 - H05Z-K: 300/500V  
 - H07Z-K: 450/750V

**Test voltage:**  
 - H05Z-K: 2000V  
 - H07Z-K: 2500V

**Conductor stranding:** Class 5 fine wire

**Color code:**

00: green/yellow	07: violet
01: black	08: pink
02: blue	09: orange
03: brown	11: yellow*
04: red	12: green*
05: white	14: dark blue
06: gray	

\* No <HAR> for yellow or green wires ≥ 16 AWG

**Approvals:** Attributes: low smoke/low smoke density acc. to IEC 61034 flame retardant acc. to IEC 60332.1.2  
 Additional: <HAR> H05Z-K & H07Z-K CE & RoHS

Part number	Standard	Outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
<b>H05Z-K</b>					
<b>22 AWG (0.5 mm<sup>2</sup>)</b>					
4725..1	H05Z-K	0.083 - 0.102	2.1 - 2.6	3	6
<b>20 AWG (0.75 mm<sup>2</sup>)</b>					
4725..2	H05Z-K	0.087 - 0.110	2.2 - 2.8	5	7
<b>18 AWG (1 mm<sup>2</sup>)</b>					
4725..3	H05Z-K	0.094 - 0.114	2.4 - 2.9	6	9
<b>H07Z-K</b>					
<b>16 AWG (1.5 mm<sup>2</sup>)</b>					
4726..1	H07Z-K	0.110 - 0.138	2.8 - 3.5	10	13
<b>14 AWG (2.5 mm<sup>2</sup>)</b>					
4726..2	H07Z-K	0.134 - 0.169	3.4 - 4.3	16	22
<b>12 AWG (4 mm<sup>2</sup>)</b>					
4726..3	H07Z-K	0.154 - 0.193	3.9 - 4.9	26	30
<b>10 AWG (6 mm<sup>2</sup>)</b>					
4726..4	H07Z-K	0.173 - 0.217	4.4 - 5.5	39	44

Part number	Standard	Outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
<b>8 AWG (10 mm<sup>2</sup>)</b>					
4726..5	H07Z-K	0.224 - 0.280	5.7 - 7.1	65	74
<b>6 AWG (16 mm<sup>2</sup>)</b>					
4726..6	H07Z-K	0.264 - 0.331	6.7 - 8.4	103	114
<b>4 AWG (25 mm<sup>2</sup>)</b>					
4726..7	H07Z-K	0.331 - 0.417	8.4 - 10.6	161	195
<b>2 AWG (35 mm<sup>2</sup>)</b>					
4726..8	H07Z-K	0.382 - 0.476	9.7 - 12.1	226	255
<b>1 AWG (50 mm<sup>2</sup>)</b>					
4726..9	H07Z-K	0.453 - 0.567	11.5 - 14.4	323	356
<b>2/0 AWG (70 mm<sup>2</sup>)</b>					
4727..1	H07Z-K	0.520 - 0.654	13.2 - 16.6	452	504
<b>3/0 AWG (95 mm<sup>2</sup>)</b>					
4727..2	H07Z-K	0.594 - 0.740	15.1 - 18.8	613	672

For LAPP part number, add the double digit color code (see above) to the part number in the table, e.g.: 16 AWG H07Z-K green/yellow = 4726001

If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.