

# Halogen-free <HAR> Hook-up Wire

Type H05Z-K & H07Z-K



## Construction

**Conductors:** Finely stranded bare copper

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

## 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

## Application Advantage

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

## Approvals



Cable Attributes		page 640	
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	Nominal Outer Diameter		Copper Weight	Approx. Weight	Part Number	Nominal Outer Diameter		Copper Weight	Approx. Weight
	(in)	(mm)	(lbs/mft)	(lbs/mft)		(in)	(mm)	(lbs/mft)	(lbs/mft)
<b>H05Z-K</b>					<b>8 AWG (10 mm<sup>2</sup>)</b>				
<b>22 AWG (0.50 mm<sup>2</sup>)</b>					4726..5	0.280	7.1	65	74
4725..1	0.102	2.6	3	6	<b>6 AWG (16 mm<sup>2</sup>)</b>				
<b>20 AWG (0.75 mm<sup>2</sup>)</b>					4726..6	0.331	8.4	103	114
4725..2	0.110	2.8	5	7	<b>4 AWG (25 mm<sup>2</sup>)</b>				
<b>18 AWG (1.00 mm<sup>2</sup>)</b>					4726..7	0.417	10.6	161	195
4725..3	0.114	2.9	6	9	<b>2 AWG (35 mm<sup>2</sup>)</b>				
<b>H07Z-K</b>					4726..8	0.476	12.1	226	255
<b>16 AWG (1.50 mm<sup>2</sup>)</b>					<b>1 AWG (50 mm<sup>2</sup>)</b>				
4726..1	0.138	3.5	10	13	4726..9	0.567	14.4	323	356
<b>14 AWG (2.50 mm<sup>2</sup>)</b>					<b>2/0 AWG (70 mm<sup>2</sup>)</b>				
4726..2	0.169	4.3	16	22	4727..1	0.654	16.6	452	504
<b>12 AWG (4 mm<sup>2</sup>)</b>					<b>3/0 AWG (95 mm<sup>2</sup>)</b>				
4726..3	0.193	4.9	26	30	4727..2	0.740	18.8	613	672
<b>10 AWG (6 mm<sup>2</sup>)</b>									
4726..4	0.217	5.5	39	44					

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. For current information go to our website.