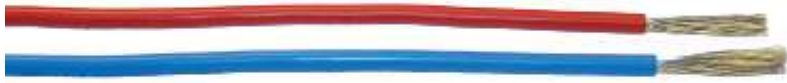


# Multi-standard <HAR> hook-up wire

H05V-K: UL AWM Style 1007 & 1569, UL/CSA • H07V-K: UL AWM Style 1015, UL MTW 1063, CSA



This internationally approved hook-up wire was designed to meet North American and European market requirements. It passes <HAR> H05V-K, <HAR> H07V-K, UL AWM, UL MTW (16 AWG & larger), CSA TEW & CE.

## Recommended applications

Panel and machine wiring for domestic and export usage; internal wiring of devices, electrical, and medical equipment

## Approvals



## Construction

**Conductors:** finely stranded tinned copper

**Insulation:** PVC

## Application advantage

- Only one inventory vs. two for domestic and export consumption
- 13 standard color options
- UL MTW (16 AWG & larger)
- Available in large cardboard barrels for easy pull (16 AWG & larger)
- Embossed cable marking available upon request

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

## Technical data

### Temperature range:

- <HAR>/IEC: -40°C to +70°C
- UL/CSA: -40°C to +105°C

### Nominal voltage:

- H05V-K:
  - <HAR>/IEC: 300/500V
  - UL/CSA: 300V
- H07V-K:
  - <HAR>/IEC: 450/750V
  - UL/CSA: 600V

### Test voltage:

- H05V-K: 2000V
- H07V-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        | 10: yellow*   |
| 04: red          | 11: green*    |
| 05: white        | 14: dark blue |
| 06: gray         |               |
- \* No <HAR> for yellow or green wires ≥ 16 AWG

### Approvals:

- H05V-K:
  - UL: AWM 1007 & 1569
  - Canada: CSA AWM I A/B
  - Additional: <HAR> H05V-K, CE & RoHS
- H07V-K:
  - UL: MTW per UL 1063, AWM 1015
  - Canada: TEW
  - Additional: <HAR> H07V-K, CE & RoHS

Part number	Standard	Maximum outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
<b>H05V-K</b>					
<b>22 AWG (0.5 mm<sup>2</sup>)</b>					
41804..	H05V-K	0.098	2.5	3	6
<b>20 AWG (0.75 mm<sup>2</sup>)</b>					
41805..	H05V-K	0.102	2.6	5	8
<b>18 AWG (1 mm<sup>2</sup>)</b>					
41806..	H05V-K	0.110	2.8	6	10
<b>H07V-K</b>					
<b>16 AWG (1.5 mm<sup>2</sup>)</b>					
41604..	H07V-K	0.134	3.4	10	15
<b>14 AWG (2.5 mm<sup>2</sup>)</b>					
41605..	H07V-K	0.157	4.0	16	25
<b>12 AWG (4 mm<sup>2</sup>)</b>					
41606..	H07V-K	0.181	4.6	26	30
<b>10 AWG (6 mm<sup>2</sup>)</b>					
41607..	H07V-K	0.201	5.1	39	48

Part number	Standard	Maximum outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
<b>8 AWG (10 mm<sup>2</sup>)</b>					
41608..	H07V-K	0.268	6.8	65	81
<b>6 AWG (16 mm<sup>2</sup>)</b>					
41609..*	H07V-K	0.354	9.0	103	126
<b>4 AWG (25 mm<sup>2</sup>)</b>					
41610..	H07V-K	0.402	10.2	161	195
<b>2 AWG (35 mm<sup>2</sup>)</b>					
41611..	H07V-K	0.461	11.7	226	268
<b>1 AWG (50 mm<sup>2</sup>)</b>					
41612..	H07V-K	0.547	13.9	323	376
<b>2/0 AWG (70 mm<sup>2</sup>)</b>					
41613..	H07V-K	0.630	16.0	452	521
<b>3/0 AWG (95 mm<sup>2</sup>)</b>					
41614..	H07V-K	0.717	18.2	613	693
<b>4/0 AWG (120 mm<sup>2</sup>)</b>					
41615..	H07V-K	0.780	19.8	774	864

\* No <HAR> approval available for 6 AWG (X07V-K)

For LAPP part number, add the double digit color code (see above) to the part number prefix in the table; e.g.: 16 AWG H07V-K green/yellow = 4160400

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.