

# 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



Cable Attributes, see page 659			
OR-02	FR-02	FL-02	MP-01
OIL	FLAME	MOTION	MECHANICAL

For wiring material that conforms to H07V2-K, please call your Lapp sales representative.

## 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

## Similar Cables

- <HAR> Hook-up Wire
- Halogen-free <HAR> Hook-up Wire

## 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         |               |

### Approvals:

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

Part Number	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	Part Number	Nominal Outer Diameter (inches)	Nominal Outer Diameter (mm)	Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)
<b>H05V-K</b>					<b>8 AWG (10 mm<sup>2</sup>)</b>				
22 AWG (0.50 mm <sup>2</sup> )					41608..	0.268	6.8	65	81
41804..	0.098	2.5	3	6	<b>6 AWG (16 mm<sup>2</sup>)</b>				
20 AWG (0.75 mm <sup>2</sup> )					41609..*	0.354	9.0	103	126
41805..	0.102	2.6	5	8	<b>4 AWG (25 mm<sup>2</sup>)</b>				
18 AWG (1.00 mm <sup>2</sup> )					41610..	0.402	10.2	161	195
41806..	0.110	2.8	6	10	<b>2 AWG (35 mm<sup>2</sup>)</b>				
<b>H07V-K</b>					<b>1 AWG (50 mm<sup>2</sup>)</b>				
16 AWG (1.50 mm <sup>2</sup> )					41611..	0.461	11.7	226	268
41604..	0.134	3.4	10	15	41612..	0.547	13.9	323	376
14 AWG (2.50 mm <sup>2</sup> )					<b>2/0 AWG (70 mm<sup>2</sup>)</b>				
41605..	0.157	4.0	16	25	41613..	0.630	16.0	452	521
12 AWG (4 mm <sup>2</sup> )					<b>3/0 AWG (95 mm<sup>2</sup>)</b>				
41606..	0.181	4.6	26	30	41614..	0.717	18.2	613	693
10 AWG (6 mm <sup>2</sup> )					<b>4/0 AWG (120 mm<sup>2</sup>)</b>				
41607..	0.201	5.1	39	48	41615..	0.780	19.8	774	864

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

\* No <HAR> approval available for this size (X07V-K). \*\* For these colors no <HAR> approval for 1.5 mm<sup>2</sup> or larger.

Photographs are not to scale and are not true representations of the products in question. For current information go to our website. If not otherwise specified, all values relating to the product are nominal values.