

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		
H05V-K					
22 AWG (0.5 mm²)					
41804..	H05V-K	0.098	2.5	3	6
20 AWG (0.75 mm²)					
41805..	H05V-K	0.102	2.6	5	8
18 AWG (1 mm²)					
41806..	H05V-K	0.110	2.8	6	10
H07V-K					
16 AWG (1.5 mm²)					
41604..	H07V-K	0.134	3.4	10	15
14 AWG (2.5 mm²)					
41605..	H07V-K	0.157	4.0	16	25
12 AWG (4 mm²)					
41606..	H07V-K	0.181	4.6	26	30
10 AWG (6 mm²)					
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		
8 AWG (10 mm²)					
41608..	H07V-K	0.268	6.8	65	81
6 AWG (16 mm²)					
41609..*	H07V-K	0.354	9.0	103	126
4 AWG (25 mm²)					
41610..	H07V-K	0.402	10.2	161	195
2 AWG (35 mm²)					
41611..	H07V-K	0.461	11.7	226	268
1 AWG (50 mm²)					
41612..	H07V-K	0.547	13.9	323	376
2/0 AWG (70 mm²)					
41613..	H07V-K	0.630	16.0	452	521
3/0 AWG (95 mm²)					
41614..	H07V-K	0.717	18.2	613	693
4/0 AWG (120 mm²)					
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.