

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 640	
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	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)	Part Number	Nominal Outer Diameter (in) (mm)		Copper Weight (lbs/mft)	Approx. Weight (lbs/mft)
H05V-K					8 AWG (10 mm²)				
22 AWG (0.50 mm ²)					41608..	0.268	6.8	65	81
41804..	0.098	2.5	3	6	6 AWG (16 mm²)				
20 AWG (0.75 mm ²)					41609..*	0.354	9.0	103	126
41805..	0.102	2.6	5	8	4 AWG (25 mm²)				
18 AWG (1.00 mm ²)					41610..	0.402	10.2	161	195
41806..	0.110	2.8	6	10	2 AWG (35 mm²)				
H07V-K					41611..	0.461	11.7	226	268
16 AWG (1.50 mm ²)					1 AWG (50 mm²)				
41604..	0.134	3.4	10	15	41612..	0.547	13.9	323	376
14 AWG (2.50 mm ²)					2/0 AWG (70 mm²)				
41605..	0.157	4.0	16	25	41613..	0.630	16.0	452	521
12 AWG (4 mm ²)					3/0 AWG (95 mm²)				
41606..	0.181	4.6	26	30	41614..	0.717	18.2	613	693
10 AWG (6 mm ²)					4/0 AWG (120 mm²)				
41607..	0.201	5.1	39	48	41615..	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. For current information go to our website.