

<HAR> hook-up wire

Type H05V-K & H07V-K



This hook-up wire is <HAR> approved and conforms to European standards. It can be used to wire electronic and electrical equipment for export to Europe.

Recommended applications

Panel & machine wiring for export usage; electronic & medical equipment; wire bundling; MRO replacement or European equipment and machinery

Approvals



Construction

Conductors: finely stranded bare copper
Insulation: PVC

Application advantage

- 14 standard color options
- <HAR> approval
- Large AWG range: 22 AWG to 480 KCMIL
- Flexible stranding vs. solid core and 7-strand
- 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:
 - for stationary use: -30°C to +80°C

Nominal voltage:
 - H05V-K: 300/500V
 - H07V-K: 450/750V

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: transparent*
04: red	11: yellow*
05: white	12: green*
06: gray	14: dark blue

* No <HAR> for transparent, yellow, or green wires ≥ 16 AWG

Approvals: <HAR> H05V-K & H07V-K
 CE & RoHS

Part number	Standard	Outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
H05V-K					
22 AWG (0.5 mm²)					
4510..1	H05V-K	0.083 - 0.099	2.1 - 2.5	3	6
20 AWG (0.75 mm²)					
4510..2	H05V-K	0.087 - 0.106	2.2 - 2.7	5	8
18 AWG (1 mm²)					
4510..3	H05V-K	0.095 - 0.110	2.4 - 2.8	6	10
H07V-K					
16 AWG (1.5 mm²)					
4520..1	H07V-K	0.110 - 0.134	2.8 - 3.4	10	15
14 AWG (2.5 mm²)					
4520..2	H07V-K	0.134 - 0.161	3.4 - 4.1	16	25
12 AWG (4 mm²)					
4520..3	H07V-K	0.154 - 0.189	3.9 - 4.8	26	30
10 AWG (6 mm²)					
4520..4	H07V-K	0.173 - 0.209	4.4 - 5.3	39	48
8 AWG (10 mm²)					
4520..5	H07V-K	0.224 - 0.268	5.7 - 6.8	65	81
6 AWG (16 mm²)					
4520..6	H07V-K	0.264 - 0.319	6.7 - 8.1	103	126

Part number	Standard	Outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
4 AWG (25 mm²)					
4521..1	H07V-K	0.331 - 0.402	8.4 - 10.2	161	195
2 AWG (35 mm²)					
4521..2	H07V-K	0.382 - 0.461	9.7 - 11.7	226	268
1 AWG (50 mm²)					
4521..3	H07V-K	0.453 - 0.547	11.5 - 13.9	323	376
2/0 AWG (70 mm²)					
4521..4	H07V-K	0.520 - 0.630	13.2 - 16.0	452	521
3/0 AWG (95 mm²)					
4521..5	H07V-K	0.594 - 0.717	15.1 - 18.2	613	693
4/0 AWG (120 mm²)					
4521..6	H07V-K	0.657 - 0.795	16.7 - 20.2	774	864
300 KCMIL (150 mm²)					
4521..7	H07V-K	0.732 - 0.886	18.6 - 22.5	968	1050
370 KCMIL (185 mm²)					
4521..8	H07V-K	0.811 - 0.980	20.6 - 24.9	1193	1287
480 KCMIL (240 mm²)					
4521..9	H07V-K	0.925 - 1.118	23.5 - 28.4	1548	1714

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 = 452000

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.