

## H05V-K UL / H07V-K UL



**H05VK UL / H07V-K UL** are internationally approved harmonized, UL/CSA and AWM/MTW approved PVC European flexible single-conductor wires. Can be found in appliance wiring and machine tool wiring as well as in control systems. They may also be used in pipes and flexible conduits. Recommended for the internal wiring of apparatus, switchboards and distributor boards in electronic and electrical equipment designed for international use in North American & European countries and for MRO replacement of international made equipment wire.



### Construction:

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Special PVC core insulation
- Cores to VDE-0293 colors on chart
- H05V-K UL (22, 20 & 18 AWG)
- H07V-K UL (16 AWG and Larger)
- X05V-K UL & X07V-K UL for non-HAR colors

### Technical:

- Working voltage: 300/500v (H05V-K UL)
- Working voltage: 450/750v (H07V-K UL)
- Working voltage UL/CSA: 600v AC, 750v DC.
- Test voltage: 2500 volts
- Flexing/Static bending radius: 10-15 x Ø
- Temp HAR/IEC: -40° to +70° C
- Temp UL-AWM: -40° to +105° C
- Temp UL-MTW: -40° C to +90° C
- Temp CSA-TEW: -40° C to +105° C
- Flame retardant: IEC 60332.1, FT-1
- Insulation resistance: 20 MΩ x km

### Approvals:

- UL-Standard 1063 MTW
- UL-AWM Style 1015
- CSA TEW
- CSA-AWM I A/B, FT-1
- <HAR> HD 21.7 S2
- VDE-0281 Part-3
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
22 AWG (16/32) 0,50mm2 35022**	1	.098" / 2.5mm	3	7
20 AWG (24/32) 0,75mm2 35020**	1	.106" / 2.7mm	5	9
18 AWG (32/32) 1,00mm2 35018**	1	.114" / 2.9mm	7	11
16 AWG (30/30) 1,50mm2 35016**	1	.122" / 3.1mm	9	13
14 AWG (50/30) 2,50mm2 35014**	1	.145" / 3.7mm	16	21
12 AWG (56/28) 4,0mm2 35012**	1	.173" / 4.4mm	25	30
10 AWG (84/28) 6,0mm2 35010**	1	.193" / 4.9mm	39	42
8 AWG (80/26) 10,0mm2 35008**	1	.267" / 6.8mm	64	80
6 AWG (128/26) 16,0mm2 35006**	1	.350" / 8.9mm	103	124
4 AWG (200/26) 25,0mm2 35004**	1	.397" / 10.1mm	161	174
2 AWG (280/26) 35,0mm2 35002**	1	.448" / 11.4mm	225	241
1 AWG (400/26) 50,0mm2 35001**	1	.555" / 14.1mm	322	359
2/0 AWG (356/24) 70,0mm2 35021**	1	.622" / 15.8mm	451	493
3/0 AWG (485/24) 95,0mm2 35031**	1	.712" / 18.1mm	612	624
4/0 AWG (614/24) 120,0mm2 35041**	1	.768" / 19.5mm	773	789

Color Code Chart
00 - Green/Yellow
01 - Black
02 - Blue (RAL5015)
03 - Brown
04 - Red
05 - White
06 - Gray
07 - Violet
08 - Pink
09 - Orange
10 - Transparent (Non HAR)
11 - Yellow (Non HAR)
12 - Green (Non HAR)
13 - Beige
14 - Dark Blue (RAL5010)

Insert a 2-digit color code from the Color Code Chart for the \*\* found at the end of the proper part number.  
i.e. - 3502001 - H05V-K UL, 20 AWG (0,75mm2) Black, OR 3500602 - H07V-K UL, 6 AWG (16,0mm2) Blue  
\* Additional AWG sizes & colors may be available.