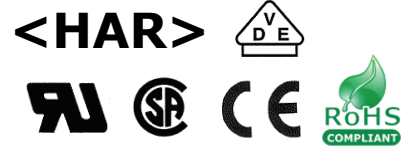


H05V2-K UL / H07V2-K UL



H05V2-K UL / H07V2-K UL are internationally approved harmonized, UL/CSA and AWM/MTW approved PVC European flexible single-conductor wires with increased temperature range for HAR/IEC and higher working voltage for UL-AWM. Due to these increases it is suitable for use in connections and internal wirings of frequency converters. 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 Cl-5
- Special PVC core insulation
- Cores to VDE-0293 colors on chart
- H05V2-K UL (22, 20 & 18 AWG)
- H07V2-K UL (16 AWG and Larger)
- X05V2-K UL & X07V2-K UL for non-HAR colors

Technical:

- Working voltage: 300/500v (H05V2-K UL)
- Working voltage: 450/750v (H07V2-K UL)
- Working voltage UL(MTW) & CSA: 600v
- Working voltage UL (AWM): 1000v
- Test voltage: 2500 volts (4000 volts UL)
- Flexing/Static bending radius: 10-15 x Ø
- Temp HAR/IEC: -40° to +90° 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 10269
- CSA TEW
- CSA-AWM 1 A/B, FT-1
- <HAR> HD 21.7 S2
- <HAR> H05V2-K / H07V2-K
- 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 35122**	1	.098" / 2.5mm	3	7
20 AWG (24/32) 0,75mm2 35120**	1	.106" / 2.7mm	5	9
18 AWG (32/32) 1,00mm2 35118**	1	.114" / 2.9mm	7	11
16 AWG (30/30) 1,50mm2 35116**	1	.122" / 3.1mm	9	13
14 AWG (50/30) 2,50mm2 35114**	1	.145" / 3.7mm	16	21
12 AWG (56/28) 4,0mm2 35112**	1	.173" / 4.4mm	25	30
10 AWG (84/28) 6,0mm2 35110**	1	.193" / 4.9mm	39	42
8 AWG (80/26) 10,0mm2 35108**	1	.267" / 6.8mm	64	80
6 AWG (128/26) 16,0mm2 35106**	1	.350" / 8.9mm	103	124
4 AWG (200/26) 25,0mm2 35104**	1	.397" / 10.1mm	161	174
2 AWG (280/26) 35,0mm2 35102**	1	.448" / 11.4mm	225	241
1 AWG (400/26) 50,0mm2 35101**	1	.555" / 14.1mm	322	359
2/0 AWG (356/24) 70,0mm2 35121**	1	.622" / 15.8mm	451	493
3/0 AWG (485/24) 95,0mm2 35131**	1	.712" / 18.1mm	621	624
4/0 AWG (614/24) 120,0mm2 35141**	1	.768" / 19.5mm	773	778

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. - 3512002 - H05V2-K UL, 20 AWG (0,75mm2) Blue, OR 3500803 - H07V2-K UL, 8 AWG (10,0mm2) Brown

* Additional AWG sizes & colors may be available.