

H05V-K UL / H07V-K UL

PVC, HAR, UL/CSA, 500/750V



<VDE> <HAR> H07V-K UL/CSA 6,00qmm / 10 AWG UL1015 / MTW CSA TEW CE

H05V-K 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 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
- X05V-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
- Test voltage: 2500 volts
- Flexing/Static bending radius: 6 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: up 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 2014/35/EU
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT	COLOR CODE CHART
22 AWG (16/32) 0,50mm²						
35022**	1	0.106"	2.7mm	3	7	00 - Green/ Yellow
20 AWG (24/32) 0,75mm²						
35020**	1	0.114"	2.9mm	5	9	01 - Black
18 AWG (32/32) 1,00mm²						
35018**	1	0.122"	3.1mm	6	11	02 - Blue (RAL5015)
16 AWG (30/30) 1,50mm²						
35016**	1	0.134"	3.4mm	10	15	03 - Brown
14 AWG (50/30) 2,50mm²						
35014**	1	0.157"	4.0mm	16	25	04 - Red
12 AWG (56/28) 4,0mm²						
35012**	1	0.181"	4.6mm	26	30	05 - White
10 AWG (84/28) 6,0mm²						
35010**	1	0.201"	5.1mm	39	48	06 - Gray
8 AWG (80/26) 10,0mm²						
35008**	1	0.268"	6.8mm	64	80	07 - Violet
6 AWG (128/26) 16,0mm²						
35006**	1	0.354"	9.0mm	103	125	08 - Pink
4 AWG (200/26) 25,0mm²						
35004**	1	0.402"	10.2mm	161	195	09 - Orange
2 AWG (280/26) 35,0mm²						
35002**	1	0.461"	11.7mm	225	268	10 - Transparent (Non HAR)
1 AWG (400/26) 50,0mm²						
35001**	1	0.547"	13.9mm	322	375	11 - Yellow (Non HAR)
2/0 AWG (356/24) 70,0mm²						
35021**	1	0.630"	16.0mm	451	520	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

Sizes continued on next page



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H05V-K / H07V-K Sizes Continued. (3/0 & 4/0 AWG)

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
3/0 AWG (485/24) 95,0mm ²					
35031**	1	0.717"	18.2mm	612	692
4/0 AWG (614/24) 120,0mm ²					
35041**	1	0.780"	19.8mm	773	862