

H05V-K UL / H07V-K UL

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



<HAR>



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