

# H05V-K / H07V-K

PVC, HAR, Single Core, 500/750V



**H05V-K / H07V-K** are our most standard harmonized PVC European Flexible single conductor wires. Ideal for the inside wiring of appliances, apparatus, switchboards, distributor boards and telecommunication devices. Found in electronic and electrical equipment and switchgear cabinets designed for export to a European country and for MRO replacement of European made equipment wire. Also found in the protective laying in and on lights.

► **Construction:**

- Fine bare 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 (20, 18 & 17 AWG)
- H07V-K (16 AWG and Larger)
- X05V-K & X07V-K for non-HAR colors

► **Technical:**

- Working voltage: 300/500v (H05V-K)
- Working voltage: 450/750v (H07V-K)
- Test voltage: 2000/2500 volts
- Flexing bending radius: 6 x Ø
- Static bending radius: 6 x Ø
- Flexing temp: +5° C to +80° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

► **Approvals:**

- <HAR> HD 21.3 S3
- 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
<b>20 AWG (16/32) 0,50mm2</b>						
30020**	1	0.087"	2.2mm	3	7	00 - Green/ Yellow
<b>18 AWG (24/32) 0,75mm2</b>						
30018**	1	0.091"	2.3mm	5	8	01 - Black
<b>17 AWG (32/32) 1,00mm2</b>						
30017**	1	0.094"	2.4mm	6	9	02 - Blue (RAL5015)
<b>16 AWG (30/30) 1,50mm2</b>						
30016**	1	0.110"	2.8mm	10	13	03 - Brown
<b>14 AWG (50/30) 2,50mm2</b>						
30014**	1	0.134"	3.4mm	16	21	04 - Red
<b>12 AWG (56/28) 4,0mm2</b>						
30012**	1	0.154"	3.9mm	25	31	05 - White
<b>10 AWG (84/28) 6,0mm2</b>						
30010**	1	0.177"	4.5mm	39	44	06 - Gray
<b>8 AWG (80/26) 10,0mm2</b>						
30008**	1	0.228"	5.8mm	64	77	07 - Violet
<b>6 AWG (128/26) 16,0mm2</b>						
30006**	1	0.276"	7.0mm	103	114	08 - Pink
<b>4 AWG (200/26) 25,0mm2</b>						
30004**	1	0.335"	8.5mm	161	174	09 - Orange
<b>2 AWG (280/26) 35,0mm2</b>						
30002**	1	0.386"	9.8mm	225	241	10 - Transparent (Non HAR)
<b>1 AWG (400/26) 50,0mm2</b>						
30001**	1	0.457"	11.6mm	322	345	11 - Yellow (Non HAR)
<b>2/0 AWG (356/24) 70,0mm2</b>						
30021**	1	0.524"	13.3mm	451	476	12 - Green (Non HAR)
						13 - Beige
						14 - Dark Blue (RAL5010)
						15 - Marine Blue (RAL5002)



Insert a 2-digit color code from the Color Code Chart for the \*\* found at the end of the proper part number. i.e. - 3002000 - H05V-K, 20 AWG (0,50mm2) Green/Yellow, OR 3001403 - H07V-K, 14 AWG (2,50mm2) Brown

Sizes continued on next page

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

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
<b>3/0 AWG (485/24) 95,0mm<sup>2</sup></b>					
30031**	1	0.602"	15.3mm	612	630
<b>4/0 AWG (614/24) 120,0mm<sup>2</sup></b>					
30041**	1	0.665"	16.9mm	773	791
<b>300 MCM (765/24) 150,0mm<sup>2</sup></b>					
30030**	1	0.740"	18.8mm	966	1073
<b>350 MCM (944/24) 185,0mm<sup>2</sup></b>					
30035**	1	0.827"	21.0mm	1191	1409
<b>500 MCM (1225/24) 240,0mm<sup>2</sup></b>					
30050**	1	0.945"	24.0mm	1545	2022

