

H05V-K / H07V-K

<HAR>



H05V-K / H07V-K are our most standard harmonized PVC European flexible single-conductor hook-up wires. Ideal for the internal wiring of appliances, apparatus, switchboards, distributor boards and telecommunications 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 Cl-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: 12.5 x Ø
- Static bending radius: 12.5 x Ø
- Flexing temp: -5° C to +70° C
- Static temp: -30° C to +80° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

Approvals:

- <HAR> HD 21.3 S3
- 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
20 AWG (16/32) 0,50mm2 30020**	1	.083" / 2.1mm	3	5
18 AWG (24/32) 0,75mm2 30018**	1	.094" / 2.4mm	5	8
17 AWG (32/32) 1,00mm2 30017**	1	.102" / 2.6mm	7	9
16 AWG (30/30) 1,50mm2 30016**	1	.122" / 3.1mm	9	13
14 AWG (50/30) 2,50mm2 30014**	1	.141" / 3.6mm	16	21
12 AWG (56/28) 4,0mm2 30012**	1	.169" / 4.3mm	25	31
10 AWG (84/28) 6,0mm2 30010**	1	.193" / 4.9mm	39	44
8 AWG (80/26) 10,0mm2 30008**	1	.251" / 6.4mm	64	76
6 AWG (128/26) 16,0mm2 30006**	1	.318" / 8.1mm	103	114
4 AWG (200/26) 25,0mm2 30004**	1	.386" / 9.8mm	161	174
2 AWG (280/26) 35,0mm2 30002**	1	.437" / 11.1mm	225	241
1 AWG (400/26) 50,0mm2 30001**	1	.515" / 13.1mm	322	345
2/0 AWG (356/24) 70,0mm2 30021**	1	.611" / 15.5mm	451	476
3/0 AWG (485/24) 95,0mm2 30031**	1	.667" / 17.2mm	612	630
4/0 AWG (614/24) 120,0mm2 30041**	1	.776" / 19.7mm	773	791
300 MCM (765/24) 150,0mm2 30030**	1	.611" / 15.5mm	966	993
350 MCM (944/24) 185,0mm2 30035**	1	.667" / 17.2mm	1191	1211
500 MCM (1225/24) 240,0mm2 30050**	1	.776" / 19.7mm	1545	1576

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)
- 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

* Additional AWG sizes & colors may be available.