

## H05V2-K / H07V2-K



**H05V2-K / H07V2-K** are harmonized special heat-resistant European flexible single-conductor hook-up wires with increased temperature range. Ideal for use in power current installations, switch cabinets, motors and transformers subject to direct contact with high temperatures in varnishing machines and drying towers. Also suitable for the internal of wiring of electrical equipments such as lighting and heating apparatus. This wire is NOT suitable for direct laying on trays and racks.



### Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Special heat resistant core insulation
- Cores to VDE-0293 colors on chart
- H05V2-K (20, 18 & 17 AWG)
- H07V2-K (16 AWG and Larger)
- X05V2-K & X07V2-K for non-HAR colors

### Technical:

- Working voltage: 300/500v (H05V2-K)
- Working voltage: 450/750v (H07V2-K)
- Test voltage: 2000 volts
- Flexing bending radius: 10-15 x Ø
- Static bending radius: 10-15 x Ø
- Flexing temp: +5° C to +90° C
- Static temp: -10° C to +105° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

### Approvals:

- <HAR> HD 21.7 S2
- VDE-0281 Part-7
- 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 30320**	1	.098" / 2.5mm	3	6
18 AWG (24/32) 0,75mm2 30318**	1	.106" / 2.7mm	5	8
17 AWG (32/32) 1,00mm2 30317**	1	.110" / 2.8mm	7	9
16 AWG (30/30) 1,50mm2 30316**	1	.134" / 3.4mm	9	13
14 AWG (50/30) 2,50mm2 30314**	1	.161" / 4.1mm	16	22
12 AWG (56/28) 4,0mm2 30312**	1	.189" / 4.8mm	25	32
10 AWG (84/28) 6,0mm2 30310**	1	.209" / 5.3mm	39	46
8 AWG (80/26) 10,0mm2 30308**	1	.268" / 6.8mm	64	77
6 AWG (128/26) 16,0mm2 30306**	1	.319" / 8.1mm	103	114
4 AWG (200/26) 25,0mm2 30304**	1	.402" / 10.2mm	161	181
2 AWG (280/26) 35,0mm2 30302**	1	.461" / 11.7mm	225	246
1 AWG (400/26) 50,0mm2 30301**	1	.547" / 13.9mm	322	349
2/0 AWG (356/24) 70,0mm2 30321**	1	.630" / 16.0mm	451	489
3/0 AWG (485/24) 95,0mm2 30331**	1	.717" / 18.2mm	612	645
4/0 AWG (614/24) 120,0mm2 30341**	1	.795" / 20.2mm	748	828
300 MCM (765/24) 150,0mm2 30330**	1	.886" / 22.5mm	966	1022
350 MCM (944/24) 185,0mm2 30335**	1	.980" / 24.9mm	1191	1241
500 MCM (1225/24) 240,0mm2 30350**	1	1.118" / 28.4mm	1545	1630

### 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
- 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. - 3031801 - H05V2-K, 18 AWG (0,75mm2) Black, OR 3031603 - H07V2-K, 16 AWG (1,50mm2) Brown

\* Additional AWG sizes & colors may be available.