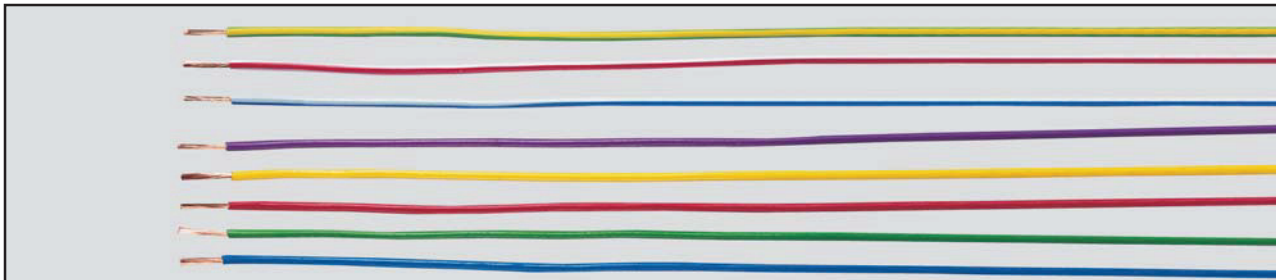


# European Hook-up Wire LiY, H05V-K



PVC • Flexible • Many colors available • 70° - 80° C / 300 - 900 V



CE = The product conforms to the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC

TECHNICAL DATA	CABLE CONSTRUCTION	APPLICATIONS
<ul style="list-style-type: none"> <li>- PVC single conductors per DIN VDE 0812, 0281 LiY tinned per DIN VDE 0812 H05V-K/H05V-U per DIN VDE 0281 part 3</li> <li>- <b>Temperature range</b> Flexing -5° C to +70° C Stationary -30° C to +80° C</li> <li>- <b>Nominal voltage</b> <math>U_0/U</math> LiY tinned 0.14 mm<sup>2</sup> = 500 V 0.25 - 1.5mm<sup>2</sup> = 900 V H05V-K/H05V-U = 300/500 V</li> <li>- <b>Test voltage</b> LiY tinned 0.14 mm<sup>2</sup> = 1200 V 0.25 - 1.5mm<sup>2</sup> = 2500 V H05V-K/H05V-U = 2000 V</li> <li>- <b>Minimum bending radius</b> 12.5 x cable <math>\varnothing</math></li> <li>- <b>Insulation resistance</b> min. 10 M<math>\Omega</math>/km</li> <li>- <b>Radiation resistance</b> up to 80 x 10<sup>6</sup> cJ/kg (up to 80 Mrad)</li> </ul>	<ul style="list-style-type: none"> <li>- LiY - tinned copper stranding per DIN VDE 0295 cl. 5.</li> <li>- H05V-K - Bare copper, fine wire stranding per DIN VDE 0295 cl. 5.</li> <li>- PVC conductor insulation material: LiY Y13 per DIN VDE 0812 H05 T11 per DIN VDE 00281 part 3.</li> <li>- Conductors colors, see below.</li> <li>- PVC flame retardant and self-extinguishing, test method B according to VDE 0472 part 804 and IEC 60332-1.</li> </ul> <p><b>Conductor color coding per DIN VDE 0293</b></p> <ul style="list-style-type: none"> <li>- H05V-K (<math>U_0/U</math> 300/500 V) recommended colors as shown below. Two color combinations of all colors available. Green and yellow are permitted only where allowed by safety regulations.</li> </ul>	<p>Harmonized European hook-up wire is used in electrical and electronic equipment, designed for the European market. It meets CE guidelines.</p> <p><b>LiY:</b> Per VDE 0812 PVC jacketed for low power and signal transmission.</p> <p><b>H05V-K:</b> Per VDE 0281 part 3, PVC jacketed for environmentally protected installation in equipment, control panels, conduit and other dry areas.</p> <p><b>Dual colors, other colors and sizes to 240 mm<sup>2</sup> (500 MCM) are available.</b></p>

Cross Section mm <sup>2</sup>	AWG	Nom. O.D. (in) (mm)	Cop. Wt. (kg/km)	Part Number														
				Black	Grn/Yl	Blue	Brown	Red	White	Grey	Violet	Yellow	Pink	Green	Clear	Dk. Blue	Orange	
<b>LiY (Spools in various lengths)</b>																		
0.14	26	.05	1.2	1.4	26405	26406	26407	26408	26409	26410	26411	26412	26413	26414	26415	26416	26417	26418
0.25	24	.06	1.4	2.4	26421	26422	26423	26424	26425	26426	26427	26428	26429	26430	26431	26432	26433	26434
0.5	20	.07	1.9	4.8	26437	26438	26439	26440	26441	26442	26443	26444	26445	26446	26447	26448	26449	26450
0.75	18	.08	2.1	7.2	26453	26454	26455	26456	26457	26458	26459	26460	26461	26462	26463	26464	26465	26466
1	17	.09	2.2	9.6	26469	26470	26471	26472	26473	26474	26475	26476	26477	26478	26479	26480	26481	26482
1.5	16	.11	2.7	14.4	26485	26486	26487	26488	26489	26490	26491	26492	26493	26494	26495	26496	26497	26498
<b>H05V-K (Coils in boxes 100 m = 328 ft.)</b>																		
0.5	20	.10	2.5	4.8	29081	29082	29083	29084	29085	29086	29087	29088	29089	29090	29091	29092	29093	29094
0.75	18	.11	2.7	7.2	29097	29098	29099	29100	29101	29102	29103	29104	29105	29106	29107	29108	29109	29110
1	17	.11	2.8	9.6	29113	29114	29115	29116	29117	29118	29119	29120	29121	29122	29123	29124	29125	29126
<b>H05V-K (Spools in various lengths)</b>																		
0.5	20	.10	2.5	4.8	26590	26591	26592	26593	26594	26595	26596	26597	26598	26599	26600	26601	26602	26603
0.75	18	.11	2.7	7.2	26606	26607	26608	26609	26610	26611	26612	26613	26614	26615	26616	26617	26618	26619
1	17	.11	2.8	9.6	26622	26623	26624	26625	26626	26627	26628	26629	26630	26631	26632	26633	26634	26635

**NOTES:**

- x = Without green-yellow ground conductor
- Further sizes and configurations available upon request
- Call with applications which are beyond standard specifications
- AWG sizes approximate. Actual cross sections in mm<sup>2</sup>. See page 96.

Dimensions and specifications may be changed without prior notice.