

# PVC insulated wire

## H05V-K



**Application:** For internal wiring of switching boxes and other electrical appliances. For installation in closed conduits and pipes. Not for direct installation under plaster.

### Construction and technical data:

<b>CPR-performance:</b>	Eca
<b>Standard:</b>	EN 50525-2-31
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	PVC TI1
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>Maximum temperature at conductor, °C:</b>	70 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	70 °C
<b>Bending radius, fixed installation:</b>	4 x Ø



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

### H05V-K

<b>Conductor construction:</b>	Class 5 = flexible
<b>Nominal voltage U<sub>0</sub>:</b>	300 V
<b>Nominal voltage U:</b>	500 V
<b>Maximum operating capacity:</b>	65 nF/km
<b>Test voltage:</b>	2 kV

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	I <sub>bl</sub> [A]	R <sub>bv</sub> [mm]	Ø [mm]	Cu [kg/km]	G [kg]
040221	1X0.5 BK	0.9	39	0.6	6	8.8	2.2	4,8	10
040985	1X0.5 BK barrel pack	0.9	39	0.6	6	8.8	2.2	4,8	10
040253	1X0.5 WH	0.9	39	0.6	6	8.8	2.2	4,8	10
040240	1X0.5 VI	0.9	39	0.6	6	8.8	2.2	4,8	10
041068	1X0.5 VI barrel pack	0.9	39	0.6	6	8.8	2.2	4,8	10

part no.	part name	DI [mm]	RI [Ohm/km]	WI [mm]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu [kg/km]	G [kg]
040217	1X0.5 GN-YE	0.9	39	0.6	6	8.8	2.2	4,8	10
041066	1X0.5 GN barrel pack	0.9	39	0.6	6	8.8	2.2	4,8	10
040216	1X0.5 RD	0.9	39	0.6	6	8.8	2.2	4,8	10
040984	1X0.5 RD barrel pack	0.9	39	0.6	6	8.8	2.2	4,8	10
040218	1X0.5 BN	0.9	39	0.6	6	8.8	2.2	4,8	10
040986	1X0.5 BN barrel pack	0.9	39	0.6	6	8.8	2.2	4,8	10
040219	1X0.5 LBU	0.9	39	0.6	6	8.8	2.2	4,8	10
040241	1X0.5 GY	0.9	39	0.6	6	8.8	2.2	4,8	10
040220	1X0.5 DBU	0.9	39	0.6	6	8.8	2.2	4,8	10
040987	1X0.5 DBU barrel pack	0.9	39	0.6	6	8.8	2.2	4,8	10
040254	1X0.5 OG	0.9	39	0.6	6	8.8	2.2	4,8	10
041069	1X0.5 OG barrel pack	0.9	39	0.6	6	8.8	2.2	4,8	10
040942	1X0.5 DBU-WH	0.9	39	0.6	6	8.8	2.5	5	9
040006	1X0.75 BK	1	26	0.6	15	9.2	2.3	7,2	12
040978	1X0.75 BK barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040222	1X0.75 LBU	1	26	0.6	15	9.2	2.3	7,2	12
040988	1X0.75 LBU barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040003	1X0.75 GN-YE	1	26	0.6	15	9.2	2.3	7,2	12
040989	1X0.75 GN-YE barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040007	1X0.75 WH	1	26	0.6	15	9.2	2.3	7,2	12
040990	1X0.75 WH barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040004	1X0.75 GY	1	26	0.6	15	9.2	2.3	7,2	12
040005	1X0.75 RD	1	26	0.6	15	9.2	2.3	7,2	12
040991	1X0.75 RD barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040002	1X0.75 BN	1	26	0.6	15	9.2	2.3	7,2	12
040992	1X0.75 BN barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040191	1X0.75 VI	1	26	0.6	15	9.2	2.3	7,2	12
040993	1X0.75 VI barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040190	1X0.75 OG	1	26	0.6	15	9.2	2.3	7,2	12
040994	1X0.75 OG barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040223	1X0.75 DBU	1	26	0.6	15	9.2	2.3	7,2	12
040995	1X0.75 DBU barrel pack	1	26	0.6	15	9.2	2.3	7,2	12
040818	1X0.75 DBU-WH	1	26	0.6	15	9.2	2.7	7,2	12
040013	1X1 BK	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040979	1X1 BK barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040010	1X1 GN-YE	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040996	1X1 GN-YE barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040014	1X1 WH	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040997	1X1 WH barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040011	1X1 GY	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040998	1X1 GY barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040012	1X1 RD	1.2	19.5	0.6	19	9.6	2.4	9,6	14

part no.	part name	DI [mm]	RI [Ohm/km]	Wi [mm]	Ibl [A]	Rbv [mm]	Ø [mm]	Cu [kg/km]	G [kg]
040999	1X1 RD barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040224	1X1 LBU	1.2	19.5	0.6	19	9.6	2.4	9,6	14
041000	1X1 LBU barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040009	1X1 BN	1.2	19.5	0.6	19	9.6	2.4	9,6	14
041022	1X1 BN barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040188	1X1 VI	1.2	19.5	0.6	19	9.6	2.4	9,6	14
041001	1X1 VI barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040193	1X1 OG	1.2	19.5	0.6	19	9.6	2.4	9,6	14
041002	1X1 OG barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040820	1X1 DBU-WH	1.2	19.5	0.6	19	9.6	2.8	9,6	14
040225	1X1 DBU	1.2	19.5	0.6	19	9.6	2.4	9,6	14
041003	1X1 DBU barrel pack	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040411	1X1 GN	1.2	19.5	0.6	19	9.6	2.4	9,6	14
040703	1X1 YE	1.2		0.6		11.2	2.8	9,6	14

DI	diameter conductor
RI	Conductor resistance
Wi	Insulation wall thickness
Ibl	Ampacity in air (30 °C)
Rbv	Bending radius, fixed installation
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000