

Flexible Single Core and Insulated PVC 70 °C (H05V-K) 300-500 V

Application:

Wires are used to supply power for lighting and electric appliances for measuring, regulating and controlling, also suitable for internal wiring of electric motors and transformers.

Applicable Standards:

H05V-K wires are designed and tested according to BS EN 50525-2-31 and IEC 60227-3 standards. However, can also supply a range of alternative designs to meet customer-specified requirements.

Specification:

Conductor

Flexible annealed copper conductor class 5 according to BS EN 60228 and IEC 60228.

Insulation:

Solid extruded PVC insulation with rating 70 °C at normal operation according to BS EN 50363-3 type TI1 and IEC 60227-1 type PVC/C.

Colors:

Standard H05V-K colors are available in black, white, red, blue, green, yellow, yellow/green, pink, violet, orange, brown and gray.

Flame retardancy:

Flexible wires have been tested and approved with the flame performance standards according to IEC 60332-1-2 and BS EN 60332-1.

Packing:

Available in standard length of 100 yards on coil (Other lengths available on request)

Marking:

0.5 mm² CU/PVC H05V-K 300/500 V IEC 60227/BS EN 50525



Technical Data:

Size	Max. Wire Diam.	Max. DC conductor Resistance.	Insulation Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
						Ampere (Air)	Ampere (Conduit)	
(MM ²)	(MM)	(ohm/km at 20C °c)	(MM)	(MM)	(Kg/km)			Item Code
0.5	0.21	39	0.6	2.1	9.8	3	2.5	H05V-K-00.5-70C
0.75	0.21	26	0.6	2.3	12.9	6	5.5	H05V-K-00.75-70C
1	0.21	19.5	0.6	2.5	15.8	10	9.5	H05V-K-01.0-70C