

Flexible Single Core Copper Conductor and PVC 70 °C Insulation (H07V-K) 450-750 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.

Specification:

H07V-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 alternative designs to meet customer-specified requirements.

Construction:

Conductor

Soft annealed copper as per BS EN 60228 and IEC 60228, flexible copper conductor class 5.

Insulation:

Thermoplastic Extruded layer of (PVC) insulation with temperature rating 70 °C at normal operation as per BS EN 50363-3 type TI1 and IEC 60227-1type PVC/C.

(PVC rated 85 °C available on request)

Flame retardancy:

Wires have been tested and approved with the flame performance standards IEC 60332-1-2 and BS EN 60332-1.

Colors:

Colors are available in black, white, red, blue, green, yellow, yellow/ green, pink, violet, orange, brown and gray.

Packing:

Very modern packing available in standard length of 100 yards on coil (Other lengths available on request).

Marking:

Amwaj 2.5 mm² H07V-K BS EN 50525-2-31 / IEC 60227-3



Technical Data:

Size	Max. Wire Diam.	Max. DC conductor Resistance.	Insulation Thickness	Nominal Outer Diameter	Current Carry Capacity at 30C ambient temperature		Ordering Information
					Ampere (Air)	Ampere (Conduit)	Item Code
1.5	0.26	13.3	0.7	2.95	16.6	13.8	H07V-K-01.5-70C
2.5	0.26	7.98	0.8	3.6	23	18	H07V-K-02.5-70C
4	0.31	4.95	0.8	4.15	30	23	H07V-K-04.0-70C
6	0.31	3.3	0.8	4.7	39	30	H07V-K-06.0-70C
10	0.41	1.91	1	6.12	56	42	H07V-K-10.0-70C
16	0.41	1.21	1	7.2	74	54	H07V-K-16.0-70C
25	0.41	0.78	1.2	8.7	101	80	H07V-K-25.0-70C
35	0.41	0.554	1.2	9.7	125	100	H07V-K-35.0-70C
50	0.41	0.386	1.4	11.6	151	121	H07V-K-50.0-70C
70	0.41	0.272	1.4	13.5	192	154	H07V-K-70.0-70C