

H05V-K / H07V-K



01 | APPLICATION:

PVC panel wiring for use in the switch control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers.

02 | CONSTRUCTION:

Conductor:	Class 5 flexible copper conductor
Insulation:	Polyvinyl Chloride (PVC)
Insulation color:	● Green/Yellow ● Black ● Blue ○ White ● Brown ● Grey or Others

03 | CHARACTERISTICS:

Rated voltage U_0/U:	H05V-K: 300/500V H07V-K: 450/750V
Test Voltage:	2.5kV for 5 minutes
Insulation resistance:	10 MΩ×KM

04 | STANDARDS:

Flame-resistant test
acc. to EN 60332-1-2

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NOM. CROSS SECTION AREA mm ²	THICKNESS OF INSULATION mm	NOM. OVERALL DIAMETER mm	NOM. WEIGHT kg/km	RESISTANCE OF CONDUCTOR AT 20°C Ω/km
0.5	0.6	2.1	9	39.0
0.75	0.6	2.3	11	26.0
1	0.6	2.5	14	19.5

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NOM. CROSS SECTION AREA mm ²	THICKNESS OF INSULATION mm	NOM. OVERALL DIAMETER mm	NOM. WEIGHT kg/km	RESISTANCE OF CONDUCTOR AT 20°C Ω/km
1.5	0.7	2.9	20	13.3
2.5	0.8	3.6	31	7.98
4	0.8	4.1	45	4.95
6	0.8	4.7	65	3.30
10	1.0	5.9	109	1.91
16	1.0	6.8	163	1.21
25	1.2	8.4	251	0.780
35	1.2	9.4	347	0.554
50	1.4	11.0	493	0.386
70	1.4	12.7	680	0.272
95	1.6	14.7	910	0.206
120	1.6	16.2	1140	0.161
150	1.8	18.1	1420	0.129
185	2.0	20.2	1730	0.106
240	2.2	22.9	2270	0.080