

## H05V2-K (RK 90°C) 300/500 V

The cable is intended be used for inside couplings in switch cabinet boxes and similar applications,

### Description

H05V2-K is a lead free, PVC insulated, connecting cable with one circular, multi stranded copper conductor. The cable is designed according to EN 50525-2-31. with maximum 90°C conductor temperature. The conductor has resistance according to EN 60228 class 5. The insulation is marked "NEXANS GS H05V2-K 0,75 SEMKO HAR MAX 90 C". H05V2-K meets the requirements for flammability according EN 60332-1-2 (F2). The cable is certified by Intertek SEMKO.

### Certification

Certifeid by INTERTEK SEMKO.

### Flammability class

EN 60332-1-2 (F2)

### Quality system

EN ISO 9001.

### Environmental system

The activities at our plant in Grimsås are certified to ISO 14001.



### Standards

**International** EN 50525-2-31

**National** SS EN 50525-2-31



Halogen free  
No



Rated Voltage U<sub>0</sub>/U (Um)  
300 / 500 V



Operating temp. range  
0 .. 90 °C

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### Characteristics

Construction characteristics	
Conductor material	Bare copper
Insulation	PVC
Halogen free	No
Electrical characteristics	
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	300 / 500 V
Usage characteristics	
Operating temperature, range	0 .. 90 °C

### Dimensional overview

Conductor cross-section	0.5	0.75	1	mm <sup>2</sup>
Number of cores	1	1	1	
Number of core wires (nb x mm Ø)	16 x 0.19 mm Ø	24 x 0.19 mm Ø	32 x 0.19 mm Ø	
Conductor diameter	0.9	1.1	1.3	mm
Average insulation thickness	0.6	0.6	0.6	mm
Nominal outer diameter	2.1	2.3	2.5	mm
Max. DC resistance of the conductor at 20°C	39	26	19.5	Ohm/km

### Selling information

H05V2-K is delivered in specified lengths. The package is marked with manufacturer, type of cable, length and manufacturing date. On the label on boxes upon request also the customer item number and/or order number.