

**Contact**

Cables for General Construction Market  
(Building)  
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**H05V-K (2491x) BS EN 50525-2-31**  
H05V-K 1 x 1 mm<sup>2</sup>

Single-core non-sheathed cable for general purposes

**Description**

**Applications:**

Fixed protected installation inside appliances and in, or out, lighting fittings.

**Type Approval Certificates:**

DIN VDE 0281, part 3

HD 21.3



**Standards**

**International** HD 21.3

**National** BS EN 50525-2-31;  
DIN VDE 0281 part 1;  
DIN VDE 0281 part 3;  
DIN VDE 0293; DIN VDE 0295



Conductor flexibility  
Flexible class 5



Halogen free  
No



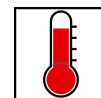
Rated Voltage U<sub>0</sub>/U  
(U<sub>m</sub>)  
300 / 500 V



Cable flexibility  
Flexible



Operating temp.  
range  
5 .. 70 °C



Max.conductor temp.in  
service  
70 °C

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

H05V-K 1 x 1 mm<sup>2</sup>

### Characteristics

<b>Construction characteristics</b>	
Conductor material	Flexible Copper
Conductor flexibility	Flexible class 5
Insulation	PVC-Compound T11 acc. to DIN VDE 0281, part 1
Halogen free	No
<b>Dimensional characteristics</b>	
Number of cores	1
Conductor diameter	1.3 mm
Conductor cross-section	1 mm <sup>2</sup>
Average insulation thickness	0.6 mm
Nominal outer diameter	2.5 mm
Approximate weight	14 kg/km
Copper content	9.6 kg/km
<b>Electrical characteristics</b>	
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	300 / 500 V
Max. DC resistance of the conductor at 20°C	19.5 Ohm/km
Ohmical resistance of the insulation	0.01 MOhm.km
<b>Mechanical characteristics</b>	
Cable flexibility	Flexible
<b>Usage characteristics</b>	
Operating temperature, range	5 .. 70 °C
Max. conductor temperature in service	70 °C

### Selling information

Marking : X NEXANS X < VDE > < HAR > H05V-K

					
Conductor flexibility Flexible class 5	Halogen free No	Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> ) 300 / 500 V	Cable flexibility Flexible	Operating temp. range 5 .. 70 °C	Max. conductor temp. in service 70 °C