

# H05V2-U (EK 90°C) 300/500 V

H05V2-U (EK 90°C) 300/500V 0,75

**Nexans Ref.:** 11017112-002-37

The cable may first be used for fixed, protected installation in or at lighting fixtures with maximum 90°C conductor temperature.

## DESCRIPTION

H05V2-U is a lead free, PVC insulated, house wiring cable with one circular copper conductor. The cable is designed according to EN 50525-2-31. The conductor resistance and number of wires according to IEC 60228 class 1. The insulation is marked "NEXANS GS H05V2-U "MM2" SEMKO HAR". H05V2-U meets the requirements for flammability according to IEC 60332-1 (F2). The cable is certified by SEMKO.

### Certification

Certified by SEMKO.

### Flammability class

IEC 60332-1 (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 Uo/U (Um)  
300 / 500 V



Flame retardant  
IEC 60332-1



Operating temp.  
0 - 90 °C

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## CHARACTERISTICS

### Construction characteristics

Colour	White
Conductor material	Bare copper
Insulation	PVC
Halogen free	No

### Dimensional characteristics

Number of cores	1
Conductor cross-section	0.75 mm <sup>2</sup>
Number of core wires (nb x mm Ø)	1 x 0.80 mm Ø
Conductor diameter	1.0 mm
Average insulation thickness	0.6 mm
Nominal outer diameter	2.2 mm
Approximate weight	11 kg/km
Approximate weight	- kg/100m

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	24.5 Ohm/km
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	300 / 500 V

### Usage characteristics

Length	3000 m
Packaging	Boxed wire
Flame retardant	IEC 60332-1
Operating temperature, range	0 - 90 °C

## SELLING AND DELIVERY INFORMATION

H05V2-U will be delivered in lengths of 100 to 500 m. The drum is marked with manufacturer, type of cable and length.