# Nexans H05V-K



Vexans

#### **STANDARDS**

Product EN 50525-2-31; HD 21.3; IEC 60227-6; NF C32-201/3

#### **APPLICATION**

Nexans H05V-K cores are used for internal equipment wiring.

#### Installation

Open air, or in conduits, or trunking.

#### Marking

S.Y + USE HAR H05VK - N° plant.





300/500 V



Rated Voltage Uo/U Mechanical resistance to impacts Low







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Flexible

temp.in service 70 °C



Operating temp. -5 ... 60 °C

Flame retardant C2, NF C 32-070



### **CHARACTERISTICS**

Co	nstruction characteristics	
(	Conductor flexibility	Flexible class 5
(	Conductor material	Bare copper
(	Conductor shape	Circular
I	Insulation	PVC
L	Lead free	-
Din	nensional characteristics	
(	Conductor cross-section	1 mm²
ŀ	Approximate weight	14 kg/km
Ele	ctrical characteristics	
F	Rated Voltage Uo/U (Um)	300/500 V
Me	chanical characteristics	
ſ	Mechanical resistance to impacts	Low
(	Cable flexibility	Flexible
Usa	age characteristics	
ſ	Max. conductor temperature in service	70 °C
5	Short-circuit max. conductor temperature	160 °C
(	Operating temperature, range	-5 60 °C
F	Flame retardant	C2, NF C 32-070
١	Weather resistance	No
(	Chemical resistance	Accidental
١	Water proof	Low
F	Packaging	Coil
L	Length	100 m

## **VARIABLE CHARACTERISTICS**

Cross section [mm²]	Approx. weight [kg/km]	Nom. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Sheath colour
1	14	2.5	13.5	12.0	Red - RAL 3031
1	14	3.0	13.5	12.0	Black - RAL 9004
1	14	3.0	13.5	12.0	Brown - RAL 8002
1	14	3.0	13.5	12.0	Dark Blue - RAL 5010
1	14	3.0	13.5	12.0	Green - RAL 6024 / Yelow - RAL1012
1	14	3.0	13.5	12.0	Grey - RAL 7000
1	14	3.0	13.5	12.0	Ivory White - RAL 1015
1	14	3.0	13.5	12.0	Ligth Blue - RAL 5012
1	14	3.0	13.5	12.0	Medium Blue - RAL 5015
1	14	3.0	13.5	12.0	Night Blue - RAL 5003

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Cross section [mm²]	Approx. weight [kg/km]	Nom. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Sheath colour
1	14	3.0	13.5	12.0	Very Light Blue - RAL 5024
1	14	3.0	13.5	12.0	Violet - RAL 4005

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