



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.



Conductor flexibility
Flexible class 5



Lead free
-



Rated Voltage U₀/U
(Um)
300/500 V



Mechanical
resistance to
impacts
Low



Cable flexibility
Flexible



Max. conductor
temp. in service
70 °C



Operating temp.
-5 ... 60 °C



Flame retardant
C2, NF C 32-070

CHARACTERISTICS

Construction characteristics

Conductor flexibility	Flexible class 5
Conductor material	Bare copper
Conductor shape	Circular
Insulation	PVC
Lead free	-

Dimensional characteristics

Conductor cross-section	1 mm ²
Approximate weight	14 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	300/500 V
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Mechanical characteristics

Mechanical resistance to impacts	Low
Cable flexibility	Flexible

Usage characteristics

Max. conductor temperature in service	70 °C
Short-circuit max. conductor temperature	160 °C
Operating temperature, range	-5 ... 60 °C
Flame retardant	C2, NF C 32-070
Weather resistance	No
Chemical resistance	Accidental
Water proof	Low
Packaging	Coil
Length	100 m

VARIABLE CHARACTERISTICS

Cross section [mm ²]	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 / Yellow - RAL 1012
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	Light 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

Cross section [mm ²]	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