



Flexible cable, insulation and outer sheath in PVC, domestic use.

## STANDARDS

**Product** EN 50525-2-11; HD 21.5; IEC 60227-53; NF C32-201/5

## APPLICATION

Nexans H05VV-F cables are designed for households. They can only be used for heating and cooking appliances if there is no risk of radiations or contact with hot parts.

## Installation

Open air.

## Marking

n (x or G) s mm<sup>2</sup> S.Y + USE HAR H05VV-F N° Usine

- n = number of cores
- s = section in mm<sup>2</sup>
- G = with Green-Yellow
- x = without Green-Yellow



Conductor flexibility  
**Flexible class 5**



Lead free  
**Yes**



Rated Voltage U<sub>0</sub>/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	Yes
Outer sheath	PVC
With smaller neutral conductor	No

### Dimensional characteristics

Neutral conductor section (when smaller)	- mm <sup>2</sup>
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### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	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	150 °C
Operating temperature, range	-5 ... 60 °C
Flame retardant	C2, NF C 32-070
Weather resistance	AN1
Chemical resistance	Accidental
Water proof	Accidental

## TWO CORES

Cross section [mm <sup>2</sup> ]	Perm. current rating open air [A]	Voltage drop, single phase [V/A.km]	Max. outer diam. [mm]	Approx. weight [kg/km]
0.75	14	50.0	7.6	54
1	15	37.5	8.0	60
1.5	20	25.6	9.0	77
2.5	26	15.4	11.0	117

## THREE CORES

Cross section [mm <sup>2</sup> ]	Perm. current rating open air [A]	Voltage drop, single phase [V/A.km]	Max. outer diam. [mm]	Approx. weight [kg/km]
0.75	14	43.2	8.0	64
1	15	32.4	8.4	73
1.5	20	22.2	9.8	96
2.5	-	-	-	-
75	-	-	-	-

## FOUR CORES

Cross section [mm <sup>2</sup> ]	Perm. current rating open air [A]	Voltage drop, single phase [V/A.km]	Max. outer diam. [mm]	Approx. weight [kg/km]
0.75	12	43.2	8.6	78
1	14	32.4	9.4	91
1.5	18	22.2	11.0	121
2.5	24	13.3	13.0	179

## FIVE CORES

Cross section [mm <sup>2</sup> ]	Perm. current rating open air [A]	Voltage drop, single phase [V/A.km]	Max. outer diam. [mm]	Approx. weight [kg/km]
0.75	12	43.4	9.6	100
1	14	32.5	10.0	115
1.5	18	22.2	12.0	152
2.5	24	13.3	14.0	221