



Nexans Ref.: 10273899

EAN 13: 3427500031711

## FIRE PERFORMANCE CLASS



Eca

## CONTACT

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CBL

## STANDARDS

Product EN 50525-2-31; UNE 21022; UNE 21031-3

## APPLICATION

H05V-K conductors are used for fixed protected installations in, or on, lighting or controlgear...

## Installation

Open air, in conduit, in cable trunking, in cable ducting. Thanks to the sliding properties of insulation, CBL® (H05V-K) is made to facilitate processing while pulling in.

## Marking

SY+ USE < HAR > H05V-K 336



Conductor flexibility  
Flexible class 5



Lead free  
Yes



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



Cable flexibility  
Flexible



Mechanical  
resistance to  
impacts  
Low



Chemical  
resistance  
Accidental



Flame retardant  
EN 50265-2-1



Operation bending  
rad.  
16.8 mm

## CHARACTERISTICS

### Construction characteristics

Conductor flexibility	Flexible class 5
Conductor material	Bare copper
Insulation	PVC
Lead free	Yes
Sheath colour	Black
Conductor shape	Circular

### Dimensional characteristics

Conductor cross-section	1 mm <sup>2</sup>
Nominal outer diameter	2.8 mm
Number of cores	1
Approximate weight	14 kg/km
Outer Diameter	3 mm

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	300/500 V
Permissible current rating in open air	- A
Permissible current rating (3 conductors)	8.5 A
Max. DC resistance of the conductor at 20°C	- Ohm/km
Permissible current rating when buried	10 A

### Mechanical characteristics

Cable flexibility	Flexible
Mechanical resistance to impacts	Low

### Usage characteristics

Chemical resistance	Accidental
Flame retardant	EN 50265-2-1
Laying operation bending radius	16.8 mm
Length	200 m
Max. conductor temperature in service	70 °C
Minimum static operating bending radius	8.4 mm
Oil resistance	Yes
Operating temperature, range	-5 ... 60 °C
Packaging	Coil
Short-circuit max. conductor temperature	160 °C
Water proof	Accidental
Weather resistance	Good
Fire retardant	EN IEC 60332-3-24 (cat C)

## PÁSATE A PASSEO!

### GAMAS DISPONIBLES H07Z1-K, H05V-K & H07V-K

Rollos de 100 m: 4 mm<sup>2</sup> y 6 mm<sup>2</sup>  
Rollos de 200 m: 1,5 mm<sup>2</sup> y 2,5 mm<sup>2</sup>

## PÁSATE A PASSEO™

⊕  
**ASA DE  
TRANSPORTE**

⊕  
**GUÍA  
DE CABLE  
INTEGRADA**

⊕  
**DESENNOLLAR  
HASTA 5 CABLES  
JUNTOS**

●  
**AHORRO  
DEL 10 %  
DE TIEMPO**

⊕  
**IDENTIFICACIÓN  
DE LA SECCIÓN  
EN LOS ROLLOS**

⊕  
**EVITA  
ENREDOS**



#### H07Z1K

1,5 mm<sup>2</sup>



2,5 mm<sup>2</sup>



4 mm<sup>2</sup>



6 mm<sup>2</sup>



#### H05V-K

1 mm<sup>2</sup>



#### H07VK

1 mm<sup>2</sup>



1,5 mm<sup>2</sup>



2,5 mm<sup>2</sup>



4 mm<sup>2</sup>



6 mm<sup>2</sup>

