

# H07V-K (6491X) BS EN 50525-2-31

H07V-K 1 x 1,5 mm<sup>2</sup>

Single-core non-sheathed cable for general purposes

## Description

## Applications

Installation in surface mounted or embedded conduits, or similar closed systems

## Design

1. Conductor : flexible copper class 5 according to DIN VDE 295
2. Insulation : PVC-compound TI1 according to DIN VDE 0281, part 1



## Standards

**International** HD 21.3

**National** BS EN 50525-2-31;  
 DIN VDE 0281 part 1;  
 DIN VDE 0281 part 3;  
 DIN VDE 0293; DIN VDE 0295



Conductor flexibility  
Flexible class 5



Halogen free  
No



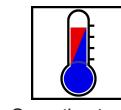
Lead free  
Yes



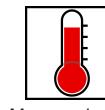
Rated Voltage Uo/U (Um)  
450 / 750 V



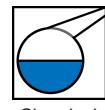
Cable flexibility  
Flexible



Operating temp. range  
5 .. 70 °C



Max.conductor temp.in service  
70 °C



Chemical resistance  
Accidental

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H07V-K 1 x 1,5 mm<sup>2</sup>

## Characteristics

### Construction characteristics

Conductor material	Copper
Conductor flexibility	Flexible class 5
Insulation	PVC
Halogen free	No
Lead free	Yes

### Dimensional characteristics

Number of cores	1
Wire diameter	0.26 mm
Conductor diameter	1.6 mm
Conductor cross-section	1.5 mm <sup>2</sup>
Average insulation thickness	0.7 mm
Nominal outer diameter	3.0 mm
Approximate weight	20 kg/km
Copper content	14.4 kg/km

### Electrical characteristics

Rated Voltage Uo/U (Um)	450 / 750 V
Max. DC resistance of the conductor at 20°C	13.3 Ohm/km
Ohmical resistance of the insulation	0.01 MOhm.km

### Mechanical characteristics

Cable flexibility	Flexible
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### Usage characteristics

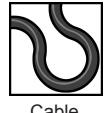
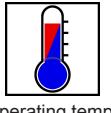
Packaging	coil 100 m
Length	100 m
Operating temperature, range	5 .. 70 °C
Max. conductor temperature in service	70 °C
Chemical resistance	Accidental

## Selling information

- Marking : X NEXANS X < VDE > < HAR > H07V-K
- Core identification : colour code according to DIN VDE 0293

## Packaging :

Other packagings on request.

							
Conductor flexibility Flexible class 5	Halogen free No	Lead free Yes	Rated Voltage Uo/U (Um) 450 / 750 V	Cable flexibility Flexible	Operating temp. range 5 .. 70 °C	Max. conductor temp. in service 70 °C	Chemical resistance Accidental