

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

 H07V-K 1 x 4 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

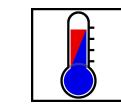
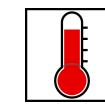
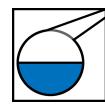
**National** BS EN 50525-2-31;  
 DIN VDE 0281 part 1;  
 DIN VDE 0281 part 3;  
 DIN VDE 0293; DIN VDE 0295

 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

**H07V-K (6491X) BS EN 50525-2-31**
**H07V-K 1 x 4 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	0.31 mm
Conductor diameter	2.6 mm
Conductor cross-section	4 mm <sup>2</sup>
Average insulation thickness	0.8 mm
Nominal outer diameter	4.2 mm
Approximate weight	45 kg/km
Copper content	38.4 kg/km

**Electrical characteristics**

Rated Voltage Uo/U (Um)	450 / 750 V
Max. DC resistance of the conductor at 20°C	4.95 Ohm/km
Ohmical resistance of the insulation	0.007 MOhm.km

**Mechanical characteristics**

Cable flexibility	Flexible
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**Usage characteristics**

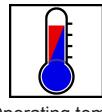
Packaging	Barrel 800 x 400
Length	2600 m
Operating temperature, range	5 .. 70 °C
Max. conductor temperature in service	70 °C
Chemical resistance	Accidental

**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