

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

H07V-K 1 x 4 mm²

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



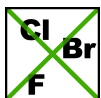
Standards

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



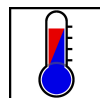
Lead free
Yes



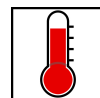
Rated Voltage U₀/
U (Um)
450 / 750 V



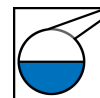
Cable
flexibility
Flexible



Operating temp.
range
5 .. 70 °C



Max. conductor
temp. in service
70 °C



Chemical
resistance
Accidental

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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 ²
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 U ₀ /U (U _m)	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
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 U ₀ /U (U _m) 450 / 750 V	Cable flexibility Flexible	Operating temp. range 5 .. 70 °C	Max. conductor temp. in service 70 °C	Chemical resistance Accidental