



Nexans Ref.: 10533297  
EAN 13: 5413404304134

## FIRE PERFORMANCE CLASS



Eca



## CONTACT

Product Management  
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H07V-U Eca and H07V-R Eca are standard installation wires insulated with PVC for 450/750V AC or 1kV DC. H07V-U Eca has a solid class 1 core, H07V-R Eca has a stranded class 2 core. H07V-U/R Eca is intended for protected fixed domestic and industrial installations. Installation may be in pipes or in closed gutters that are embedded in the wall or floor or on a surface. H07V-U/R Eca slides well and is therefore easy to pull into pipes. In addition, H07V-U/R Eca is easy to strip, making it quick to process. The wire can be loaded to a maximum wire temperature of 70°C. H07V-U Eca and H07V-R Eca comply with fire reaction class class Eca according to EN 50575. H07V-U Eca in sections 1.5 and 2.5 mm<sup>2</sup> is also available in the moisture-resistant coloured VOBbox of length 100m.

## STANDARDS

Product EN 50525-2-31; IEC 60228

## APPLICATION

- PVC-insulated conductors for fixed installations
- Domestic and industrial
- Panel wiring
- Rated voltage up to and including 450/750 V

## DESIGN

1. Copper core, solid (U) or stranded (R)
2. PVC insulating sheath

## INSTALLATION

- In industries
- In houses
- Suitable for installation in electrical installation in conduits, pipes or similar closed systems - surface or flush mount



Conductor flexibility  
Solid class 1



Halogen free  
No



Rated Voltage U<sub>0</sub>/U  
(Um)  
450/750 V



Bending factor  
when laying  
4 (xD)



Max. conductor  
temp. in service  
70 °C



Operating temp.  
-15 ... 70 °C



Chemical  
resistance  
Medium



Minimum  
installation  
temperature  
5 °C

### CHARACTERISTICS

#### Construction characteristics

Conductor material	Copper
Conductor shape	Round, massive
Conductor flexibility	Solid class 1
Insulation	PVC
Wire colour	Green / yellow
Halogen free	No

#### Dimensional characteristics

Number of cores	1
Conductor cross-section	6 mm <sup>2</sup>
Average insulation thickness	0.8 mm
Nominal outer diameter	4.4 mm
Approximate weight	65 kg/km

#### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	450/750 V
Permissible current rating in open air	41 A
Voltage drop, single phase	6.2 V/A.km

#### Usage characteristics

Bending factor when laying	4 (xD)
Field of application	Indoor
Max. conductor temperature in service	70 °C
Operating temperature, range	-15 ... 70 °C
Resistance to vibrations	Moderate
Chemical resistance	Medium
Packaging	Box
Length	100 m
Minimum installation temperature	5 °C

### SELLING AND DELIVERY INFORMATION

Other colours available upon request