



E_{ca}

Nexans Ref.: 10533297
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FIRE PERFORMANCE CLASS



E_{ca}



CONTACT

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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 mm² 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_o/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 ²
Average insulation thickness	0.8 mm
Nominal outer diameter	4.4 mm
Approximate weight	65 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	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