

Conductors without external sheath, PVC insulation, for general use

### Description

#### Application

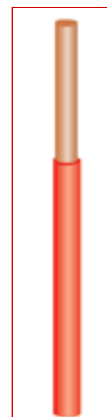
H07V-U conductors are used for fixed protected installations in, or on, lighting or controlgear...

#### Installation

Open air, in conduit, in cable trunking, in cable ducting. Thanks to the sliding properties of insulation, H07V-U is made to facilitate processing while pulling in.

#### Marking

S.Y + USE <HAR> H07V-U N° plant









#### Standards

**International** HD 21.3; IEC 60227-1

**National** NF C 32-201/3

#### Contact

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Lead free Yes	Mechanical resistance to impacts Low	Cable flexibility Rigid	Operating temperature range -5 .. 60 °C	Weather resistance Good	Flame retardant C2, NF C 32-070

## Characteristics

### Construction characteristics

Lead free	Yes
Conductor flexibility	Solid class 1
Insulation	PVC
Conductor material	Bare copper

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U	450 / 750 V
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### Mechanical characteristics

Mechanical resistance to impacts	Low
Cable flexibility	Rigid

### Usage characteristics

Maximum core temperature still	70 °C
Short-circuit maximum core temperature	160 °C
Operating temperature, range	-5 .. 60 °C
Weather resistance	Good
Flame retardant	C2, NF C 32-070
Chemical resistance	Accidental
Water proof	Accidental
Packaging	Coil

## Technical data

Cross section mm <sup>2</sup>	Conductor diam. mm	Nom. outer diam. mm	Voltage drop, 3 conductors V/A.km	Voltage drop, single phase V/A.km	Permissible current rating (3 conductors) A	Permissible current (one phase) A	Approx. weight kg/km
1.5	1.37	3.3	20.0	23.0	15.5	17.5	20
2.5	1.76	3.9	12.0	14.0	21.0	24.0	30