

# H07V-U Filvit / H07V-R (U500V)

## Contact

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## DESCRIPTION

### Application

H07V-R conductors are used for fixed protected installations in, or on, lighting or controlgear... They are more designed for panels stranding

### Installation

Open air, in conduit, in cable trunking, in cable ducting.



## NORMES

**International** IEC 60227-1

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

## CARACTÉRISTIQUES

### Construction characteristics

Conductor material	Bare copper
Conductor shape	Circular
Insulation	PVC

### Dimensional characteristics

Number of cores	1
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### Electrical characteristics

Rated Voltage Uo/U (Um)	450 / 750 V
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### Mechanical characteristics

Mechanical resistance to impacts	Low
Cable flexibility	Rigid

### Usage characteristics

Max. conductor temperature in service	70 °C
Short-circuit max. conductor temperature	160 °C
Operating temperature, range	-5 ... 60 °C
Flame retardant	C2, NF C 32-070



Rated Voltage Uo/U (Um)  
450 / 750 V



Mechanical resistance to impacts  
Low



Cable flexibility  
Rigid



Max. conductor temp. in service  
70 °C



Operating temp.  
-5 ... 60 °C



Flame retardant  
C2, NF C 32-070



Weather resistance  
Good



Chemical resistance  
Accidental

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### Usage characteristics

Weather resistance	Good
Chemical resistance	Accidental
Water proof	Accidental
Bending factor when laying	4 (xD)
Length	100 m
Packaging	Coil

### H07 V-U SOLID CONDUCTOR

Cross section [mm <sup>2</sup> ]	Approx. weight [kg/km]	Max. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, 3 conductors [V/A.km]	Voltage drop, single phase [V/A.km]	Length [m]	Packaging
1,5	22	3,3	18,0	16,0	22,0	25,0	100	Coil
2,5	34	3,9	24,0	21,0	12,0	14,0	100	Coil
4	50	4,4	32,0	28,0	8,0	9,0	100	Coil

### H07 V-U STRANDED CONDUCTOR

Cross section [mm <sup>2</sup> ]	Approx. weight [kg/km]	Max. outer diam. [mm]	Permissible current (one phase) [A]	Permissible current rating (3 conductors) [A]	Voltage drop, 3 conductors [V/A.km]	Voltage drop, single phase [V/A.km]	Length [m]	Packaging
6	68	5,4	41,0	36,0	5,0	6,0	100	Coil
10	112	6,8	57,0	50,0	3,0	3,5	100	Coil
16	170	8,0	76,0	68,0	2,0	2,4	100	Coil



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



Mechanical  
resistance to  
impacts  
Low



Cable flexibility  
**Rigid**



Max. conductor  
temp. in service  
70 °C



Operating temp.  
-5 ... 60 °C



Flame retardant  
C2, NF C 32-070



Weather resistance  
**Good**



Chemical  
resistance  
**Accidental**

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