

Flexible conductors, without sheath, PVC insulation for general use

Description

Application

H07V-K cores are principally used for panels and cabinets stranding.

Installation

Open air, or in conduits, or trunking.

Marking

- For section between 0,75 and 4 mm² : S.Y + USE <HAR>N° Plant
- For section above 4 mm² : S.Y + USE <HAR>H07VK - N° Plant



Standards

International HD 21.3; IEC 60227-2

National NF C 32-201/3

Contact

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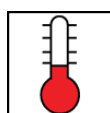
Lead free
Yes



Mechanical resistance to
impacts
Low



Cable flexibility
Flexible



Operating temperature,
range
-5 .. 60 °C



Weather resistance
Good



Flame retardant
C2, NF C 32-070

Characteristics

Construction characteristics

Lead free	Yes
Conductor flexibility	Flexible class 5
Insulation	PVC
Conductor material	Bare copper

Electrical characteristics

Rated Voltage U ₀ /U	450 / 750 V
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Mechanical characteristics

Mechanical resistance to impacts	Low
Cable flexibility	Flexible

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

Technical data

Cross section mm ²	Conductor diam. mm	Nom. outer diam. mm	Permissible current rating (3 conductors) A	Permissible current (one phase) A	Approx. weight kg/km
1.5	1.55	3.5	15.5	17.5	20
2.5	2.0	4.2	21.0	24.0	30
4	2.5	4.8	28.0	32.0	45
6	3.0	6.3	36.0	41.0	65
10	4.0	7.6	50.0	57.0	110
16	5.45	8.8	68.0	76.0	170
25	6.6	11.0	89.0	96.0	255

Cross section mm ²	Conductor diam. mm	Nom. outer diam. mm	Permissible current rating (3 conductors) A	Permissible current (one phase) A	Approx. weight kg/km
25	6.6	11.0	89.0	96.0	270
35	8.0	12.5	110.0	119.0	370
50	9.5	14.5	134.0	144.0	495
70	11.3	17.0	171.0	184.0	700
95	13.6	19.0	207.0	223.0	920
120	15.2	21.0	239.0	259.0	1130
150	16.7	23.5	275.0	299.0	1425
185	18.7	26.0	315.0	341.0	1740
240	21.2	29.5	371.0	403.0	2240