U500 SV (H07 V-K)



STANDARDS

Product IEC 60227-2; NF C32-201/3

APPLICATION

H07V-K cors are used for panels and cabinets stranding.

INSTALLATION

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

CHARACTERISTICS

Construction characteristics	
Conductor material	Bare copper
Conductor shape	Circular
Insulation	PVC
Electrical characteristics	
Rated Voltage Uo/U (Um)	450/750 V
Mechanical characteristics	
Mechanical resistance to impacts	Low
Cable flexibility	Flexible
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
Weather resistance	Good
Chemical resistance	Accidental
Water proof	Accidental
Bending factor when laying	4 (xD)



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



Mechanical resistance to impacts
Low



Cable flexibility
Flexible



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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TECHNICAL DATA

Cross section [mm²]	Approx. weight [kg/km]	Max. outer diam. [mm]	Perm. current rating open air [A]	Voltage drop, single phase [V/A.km]	Length [m]	Packaging
0.5	9	2.2	-	-	100	Coil
0.75	11	2.8	-	-	100	Coil
1	15	3.0	-	-	100	Coil
1.5	20	3.5	22	24.4	100	Coil
2.5	33	4.2	30	14.7	100	Coil
4	47	4.8	40	9.13	100	Coil
6	66	6.3	52	6.11	100	Coil
10	121	7.6	71	3.59	100	Coil
16	176	8.8	96	2.31	100	Coil
25	267	11.0	127	1.52	1000	T/BZ
35	368	12.5	157	1.1	1000	T/BZ
50	515	14.5	190	0.8	1000	T/CZ
70	734	17.0	242	0.59	1000	T/DZ
95	949	19.0	293	0.46	1000	T/DZ
120	1205	21.0	339	0.38	1000	T/EZ
150	1494	23.5	390	0.33	1000	T/FZ


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