

H05V2-K 300/500V					
Nominal cross-sectional area of conductor	Radial thickness of insulation	Approximate overall diameter	Approximate net weight	Maximum resistance of conductor at 20°C	Minimum insulation resistance at 90°C
mm ²	mm	mm	kg/km	Ω/km	MΩ·km
0,5	0,6	2,2	8	39,0	0,013
0,75	0,6	2,3	11	26,0	0,011
1	0,6	2,5	13	19,5	0,010

TYPE: H07V-U, H07V-R, H07V-K 450/750 V

PVC insulated non sheathed single core cables for general purposes

NORM:

HD 21.3, DIN VDE 0281-3, BS 6004

CONSTRUCTION:

Conductor: annealed copper, class 1 solid (H07V-U), class 2 stranded (H07V-R) or class 5 flexible (H07V-K) conductor acc. to EN 60228

Insulation: PVC compound type TI 1

Colour of insulation: green/yellow, blue, black, brown, grey, orange, pink, red, violet, white

Maximum conductor operating temperature: +70°C

Lowest ambient temperature for fixed installation (static): -30°C

Lowest installation temperature (flexing): -5°C

Maximum short-circuit conductor temperature: +160°C, for cross-section > 300 mm² +140°C

Test voltage 50Hz: 2500V

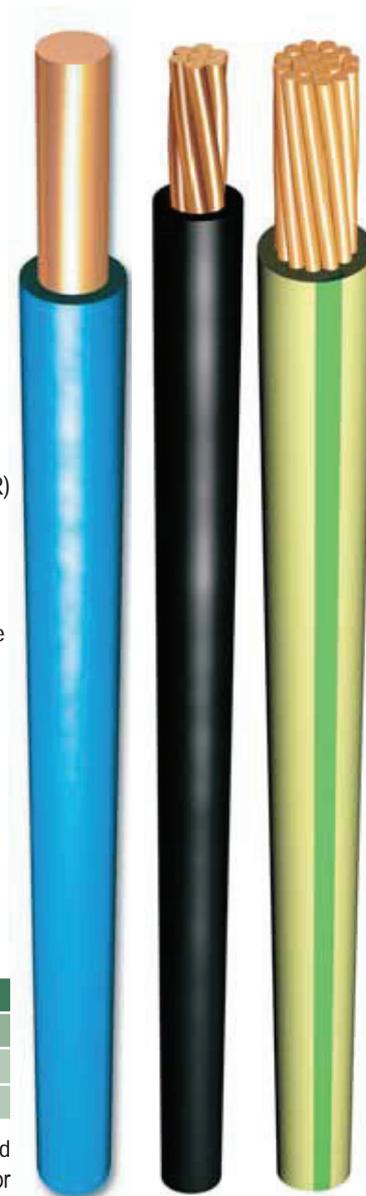
Flame propagation: EN 60332-1-2 (IEC 60332-1)

The product is conformed with the RoHS Direktive 2002/95/CE, Low-Voltage Direktive 73/23/EEC and 93/68/ECC

Minimum bending radius:	For cable diameter D (mm)			
	D ≤ 8	8 < D ≤ 12	12 < D ≤ 20	D > 20
Normal use	4 D	5 D	6 D	6 D
Careful bending at termination	2 D	3 D	4 D	4 D

Application: installation in surface mounted or embedded conduits, or similar closed systems. Suitable for fixed protected installation in, or on, lighting or controlgear for voltages up to 1000V a.c. or, up to 750V d.c. to earth.

Standard length cable packing: 100 m in rings or on spools, or 500 m on drums. Other forms of packing and delivery are available on request.



H07V-U 450/750V					
Nominal cross-sectional area of conductor	Radial thickness of insulation	Approximate overall diameter	Approximate net weight	Maximum resistance of conductor at 20°C	Minimum insulation resistance at 70°C
mm ²	mm	mm	kg/km	Ω/km	MΩ·km
1,5	0,7	2,8	20	12,1	0,011
2,5	0,8	3,3	31	7,41	0,010
4	0,8	3,8	45	4,61	0,0087
6	0,8	4,3	64	3,08	0,0074
10	1,0	5,5	106	1,83	0,0072

H07V-R 450/750V					
Nominal cross-sectional area of conductor	Radial thickness of insulation	Approximate overall diameter	Approximate net weight	Maximum resistance of conductor at 20°C	Minimum insulation resistance at 70°C
mm ²	mm	mm	kg/km	Ω/km	MΩ·km
1,5	0,7	2,9	21	12,1	0,010
2,5	0,8	3,6	33	7,41	0,0099
4	0,8	4,1	48	4,61	0,0082
6	0,8	4,5	66	3,08	0,0070
10	1,0	5,8	110	1,83	0,0067
16	1,0	6,8	167	1,15	0,0056
25	1,2	8,4	262	0,727	0,0053
35	1,2	9,5	353	0,524	0,0046
50	1,4	11,1	480	0,387	0,0046
70	1,4	12,8	672	0,268	0,0040
95	1,6	14,7	932	0,193	0,0039
120	1,6	16,5	1158	0,153	0,0035
150	1,8	18,2	1432	0,124	0,0035
185	2,0	20,6	1789	0,0991	0,0035
240	2,2	23,4	2325	0,0754	0,0034
300	2,4	26,1	2908	0,0601	0,0033
400	2,6	30,7	3724	0,0470	0,0031

H07V-K 450/750V					
Nominal cross-sectional area of conductor	Radial thickness of insulation	Approximate overall diameter	Approximate net weight	Maximum resistance of conductor at 20°C	Minimum insulation resistance at 70°C
mm ²	mm	mm	kg/km	Ω/km	MΩ·km
1,5	0,7	2,9	20	13,3	0,010
2,5	0,8	3,6	31	7,98	0,0095
4	0,8	4,1	45	4,95	0,0078
6	0,8	4,6	63	3,30	0,0068
10	1,0	6,0	107	1,91	0,0065
16	1,0	7,1	161	1,21	0,0053
25	1,2	8,7	247	0,780	0,0050
35	1,2	9,8	344	0,554	0,0043
50	1,4	11,8	483	0,386	0,0042
70	1,4	13,6	669	0,272	0,0036
95	1,6	16,1	886	0,206	0,0036
120	1,6	17,2	1111	0,161	0,0032
150	1,8	19,4	1389	0,129	0,0032
185	2,0	22,1	1697	0,106	0,0032
240	2,2	24,0	2210	0,0801	0,0031

TYPE: H07V2-U, H07V2-R, H07V2-K 450/750 V

Heat resisting PVC insulated non sheathed single core cable for internal wiring

NORM:

PN-HD 21.7, DIN VDE 0281-7, BS 6004

CONSTRUCTION:

- Conductor:** annealed copper, class 1 solid (H07V2-U), class 2 stranded (H07V2-R) or class 5 flexible (H07V2-K) conductor acc. to EN 60228
- Insulation:** heat resisting PVC compound type T1 3
- Colour of insulation:** green/yellow, blue, black, brown or other colours

Maximum conductor operating temperature: +90°C

Lowest ambient temperature for fixed installation (static): -30°C

Lowest installation temperature (flexing): -5°C

