H05V-K
H07V-K



Application

For wiring with small bending and higher requirements to the cable flexibility, in machines, devices, instruments and boards.

Technical data

- manufactured acc. to HD 21.3
- rated voltage Uo/U: for **H05V-K** - 300 / 500 V; for **H07V-K** - 450 / 750 V
- test voltage: for **H05V-K** - 2 kV; for **H07V-K** - 2.5 kV
- insulation resistance at 70 oC, min $1x10^{10}$ Ω.cm
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5s : +160 °C
- temperature of environment: - 30 °C to +50 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius : for diameters up to 10 mm : 10D; for diameters above 10 mm : 15D (D - cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1
- Approval - VDE

Cable design

- flexible copper conductors class 5 according to IEC 60228
- insulation: PVC compound type TI1 according to HD 21.1

Core identification

- black, blue, brown, grey, orange, pink, red, turquoise, violet, white, green and yellow
- a double-coloured insulation as a combination of above indicated colours is permissible

Cross Section of conductor mm²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km		Cross Section of conductor mm²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
H05V-K					**H07V-K**			
0,5	2,2	4,8	10		1,5	3,0	14,4	22
0,75	2,4	7,2	13		2,5	3,7	24,0	35
1,0	2,6	9,6	15		4,0	4,2	38,4	50
					6,0	4,8	57,6	71
					10,0	7,0	96,0	127
					16,0	7,8	153,6	187
					25,0	9,7	240,0	288
					35,0	10,9	336,0	384
					50,0	13,7	480,0	560
					70,0	16,1	672,0	783
					95,0	17,3	912,0	1006
					120,0	19,3	1152,0	1287