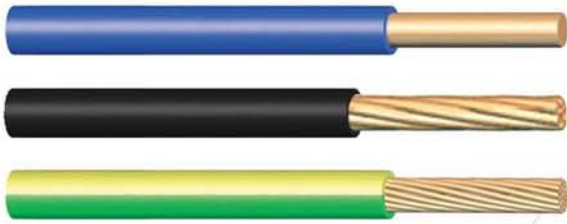


## TYPE H07V-K

### 450/750V

Single core PVC insulated non sheathed cables  
for general purposes



#### Specifications & Standards

HD 21.3  
DIN VDE 0281-3  
BS 6004

### CONSTRUCTION

Conductors:	Annealed copper, Class 5 flexible (H07V-K) conductor acc. to HD 383
Insulation:	PVC compound type TI I
Colour of Insulation:	Green/Yellow, Blue, Black, Brown or other colours
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
Test voltage 50Hz:	2500V
Flame propagation:	EN 50265-2-1 (IEC 60332-1)

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.

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Nominal sectional area of conductor (mm <sup>2</sup> )	Max. diameter of wires in conductor (mm)	Radial thickness of insulation (mm)	Approx. overall diameter (mm)	Approx. weight of cable (kg/km)	Max. conductor resistance at 20°C (Ω/km)	Min. insulation resistance at 70°C (MΩ/km)
1.5	0.26	0.7	2.9	19	13.3	0.0100
2.5	0.26	0.8	3.6	30	7.98	0.0095
4	0.31	0.8	4.1	45	4.95	0.0078
6	0.31	0.8	4.6	63	3.30	0.0068
10	0.41	1.0	6.0	109	1.91	0.0065
16	0.41	1.0	7.1	163	1.21	0.0053
25	0.41	1.2	8.7	255	0.780	0.0050
35	0.41	1.2	9.4	341	0.554	0.0043
50	0.41	1.4	11.8	487	0.386	0.0042
70	0.51	1.4	13.6	677	0.272	0.0036
95	0.51	1.6	16.1	906	0.206	0.0036
120	0.51	1.6	17.2	1136	0.161	0.0032
150	0.51	1.8	19.4	1411	0.129	0.0032
185	0.51	2.0	22.1	1725	0.106	0.0032
240	0.51	2.2	24.0	2259	0.0801	0.0031