



Application:

For internal wiring and fixed protected installation inside appliances and in lighting fittings. Suitable for fixed protected installation in, or on, lighting or control gear for voltages up to 1000V a.c. or, up to 750V d.c. to earth.

Construction:

- Conductor:** • annealed copper conductor class 5 acc. to EN 60228
Insulation: • PVC compound type Y18, T13
Colour of insulation: • green/yellow, blue, black, brown, grey, orange, pink, red, turquoise, violet, white

Technical properties:

- Nominal voltage:** • U₀/U: 450/750 V
Test voltage: • 2500V
Conductor operating Temp.: • max. +105°C
Short-circuit conductor Temp.: • max. +160°C
Ambient temp. for fixed installation: • min. -30°C
Installation temperature: • min. -5°C
Flame retardant: • IEC 60332-1-2

Min. 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

H07V2-K 105°C 450/750V PN-EN 50525-2-31



Technical specification:

Cable type	RI (conductor) [Ω/km]	RI (insulation) [MΩ.km]	OD [mm]	CU [kg/km]	G [kg/km]
H07V2-K 1x1,5	13,3	0,010	2,9	14,4	19
H07V2-K 1x2,5	7,98	0,0095	3,6	24	30
H07V2-K 1x4	4,95	0,0078	4,1	38,4	43
H07V2-K 1x6	3,30	0,0068	4,6	57,6	61
H07V2-K 1x10	1,91	0,0065	6,0	96	104
H07V2-K 1x16	1,21	0,0053	7,1	153,6	158
H07V2-K 1x25	0,780	0,0050	8,7	240	243
H07V2-K 1x35	0,554	0,0043	9,8	336	338
07V2-K 1x50*	0,386	0,0042	11,8	480	476
07V2-K 1x150*	0,129	0,0039	19,4	1440	1374

* 07V2-K based on norm EN 50525-2-31

Shortcut	Description	Unit
RI (conductor)	Maximum conductor resistance at temperature 20°C	Ω/km
RI (insulation)	Minimum insulation resistance at temperature 90°C	MΩ.km
OD	Approximal overall diameter Ø	mm
CU	Copper-Weight	kg/km
G	Cable Weight	kg