

H07V-K

Insulated wire

DESIGN



- 1 | Copper conductor, fine wire (-K)
2 | Core insulation (PVC)

APPLICATION

For fixed installation in conduits on or under plaster. Suitable for protected installation in and on lighting facilities or control devices for voltages up to 750 V AC or 1,000 V DC against ground.

TECHNICAL DATA



Standard:
HD 21.3
EN 50525-2-31



Rated voltage:
450/750 V



Test voltage:
2.5 kV/50 Hz



Temperature range:
laying temperature: min. +5 °C
operating temperature: -5 °C up to +70 °C
conductor temperature: max. +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
4 x Ø up to 16 mm²,
5 x Ø 25 up to 50 mm²,
6 x Ø above 50 mm²



Core identification:
black (bk), blue (bu), brown (bn), green/yellow (gn/ye), grey (gy), violet (vt), green (gn), yellow (ye), orange (or), white (wh), red (rd)



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
EZÚ Czech Republic, ÖVE Austria

Nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
H07V-K				
1.5	13.300	2.8	20	100 R
2.5	7.980	3.6	35	100 R
4	4.950	4.0	50	100 R, 500 Sp
6	3.300	4.7	70	100 R, 500 Sp
10	1.910	6.0	105	100 R, 500 Sp
16	1.210	7.1	165	100 R, 500 Sp
25	0.780	9.0	250	100 R, 500 D, 1,000 D
35	0.554	10.4	340	100 R, 500 D, 1,000 D
50	0.386	11.8	480	100 R, 500 D, 1,000 D
70	0.272	14.8	685	500 D, 1,000 D
95	0.206	16.4	910	500 D, 1,000 D
120	0.161	17.5	1,110	500 D, 1,000 D
150	0.129	19.0	1,370	500 D, 1,000 D
185	0.106	22.0	1,820	500 D, 1,000 D
240	0.080	27.0	2,320	500 D, 1,000 D

Subject to technical changes.