

H07V-K (Yf)

Insulated wire

Standard: ÖVE/ÖNORM E 8241 (HD 21)

Usage:

For fixed installation in conduit on or under plaster. Suitable for protected fixed installation in and on lighting installations or control equipment for ac voltages up to 750 V towards earth.



Construction:

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



Rated voltage: 450/750 V



Test voltage: 2500 Veff



Temperature range:

laying temperature: min. +5 °C
 operating temperature: -5 °C 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,
 above: 6 x Ø



Core identification:

black (sw), blue (bl), brown (br), green/yellow (gnge), grey (hgr), violet (vi), green (gn), yellow (ge), orange (or), white (ws), red (rt)



Fire properties:

flame retardant (EN 50265-2-1, IEC 60332-1)



Test certificate:

ÖVE Austria,
 EZÚ Czech Republic,
 GOST Russia

Nominal cross section (mm ²)	Colour of core	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
H07V-K (Yf)						
1.5	sw, bl, br	13.300	2.8	15	20	100 R
2.5	sw, bl, br	7.980	3.6	25	31	100 R
4	sw, bl, br	4.950	4.0	40	46	100 R, 500 Sp
6	sw, bl, br	3.300	4.7	60	66	100 R, 500 Sp
10	sw, bl, br	1.910	6.0	100	104	100 R, 500 Sp
16	sw, bl, br	1.210	7.1	160	175	100 R, 500 Sp
25	sw	0.780	9.0	250	280	100 R, 500 T, 1000 T
35	sw	0.554	10.4	350	380	100 R, 500 T, 1000 T
50	sw	0.386	11.8	500	550	100 R, 500 T, 1000 T
70	sw	0.272	14.8	700	760	500 T, 1000 T
95	sw	0.206	16.4	950	1,020	500 T, 1000 T
120	sw	0.161	17.5	1,200	1,280	500 T, 1000 T
150	sw	0.129	19.0	1,500	1,600	500 T, 1000 T
185	sw	0.106	22.0	1,850	1,960	500 T, 1000 T
240	sw	0.080	27.0	2,400	2,550	500 T, 1000 T

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1.5	gnge, special colours	13.300	2.8	15	20	100 R
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4	gnge, special colours	4.950	4.0	40	46	100 R, 500 Sp
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Subject to technical changes.