

H07V-K (Yf)

PVC insulated wire, fine core

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.

TECHNICAL DATA



Standard:
EN 50525-2-31



Rated voltage:
450/750 V (U₀/U)



Test voltage:
2.5 kV / 50 Hz



Temperature range:
 laying temperature: min. 5 °C
 operating temperature: -30 °C up to 70 °C
 conductor temperature: max. 70 °C
 short circuit temperature: max. 160 °C/5 s



Bending radius (min.):
 3 x Ø up to 12 mm (fixed installed)
 4 x Ø over 12 mm (fixed installed)
 5 x Ø up to 12 mm (free motion)
 6 x Ø over 12 mm (free motion)



Core identification:
 according to EN 50525-1: black (bk), brown (bn), red (rd), orange (og), yellow (ye), green (gn), blue (bu), violet (vt), grey (gy), white (wh), pink (pk), green-yellow (gnye)



Fire properties:
 EN 60332-1-2: flame retardant
 CPR classification: E_{ca}

Nominal cross-section (mm ²)	Core colours	Max. conductor resistance (Ω/km)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
H07V-K (Yf)					
1.5	bk, bn, bu, gnye	13.3	3.1	21	100 R
2.5	bk, bn, bu, gnye	7.98	3.8	33	100 R
4	bk, bn, bu, gnye	4.95	4.4	48	100 R, 500 Sp
6	bk, bn, bu, gnye	3.3	4.9	66	100 R, 500 Sp
10	bk, bn, bu, gnye	1.91	6.4	112	100 R, 500 Sp
16	bk, bn, bu, gnye	1.21	7.4	167	100 R, 500 Sp
25	bk, bn, bu, gnye	0.78	9.1	254	100 R, 500 Sp
35	bk, bu, gnye	0.554	10.4	340	100 R, 500 Sp
50	bk, bu, gnye	0.386	12.4	485	500 D, 1000 D
70	bk, bu, gnye	0.272	13.6	674	500 D, 1000 D
95	bk, gnye	0.206	15.8	894	500 D, 1000 D
120	bk, gnye	0.161	17.4	1110	500 D, 1000 D
150	bk, gnye	0.129	19.8	1400	500 D, 1000 D
185	bk, gnye	0.106	21.6	1700	500 D, 1000 D
240	bk, gnye	0.0801	24.6	2230	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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