

# H07V-U / H07V-R

## Insulated wire

### DESIGN



- 1 | Copper conductor, solid wire (-U) resp. stranded wire (-R)
- 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 mm<sup>2</sup>,  
5 x Ø 25 up to 50 mm<sup>2</sup>,  
6 x Ø above 50 mm<sup>2</sup>



**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, EVPÚ Slovak Republic,  
ÖVE Austria, LCIE France

Nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>H07V-U</b>				
1.5	12.100	2.6	20	100 R
2.5	7.410	3.3	30	100 R
4	4.610	3.9	45	100 R
6	3.080	4.1	65	100 R
10	1.830	5.3	110	100 R
16	1.150	6.5	165	100 R
<b>H07V-R</b>				
6	3.080	4.7	70	100 R, 500 Sp, 1,000 D
10	1.830	5.8	110	100 R, 500 Sp, 1,000 D
16	1.150	6.9	165	100 R, 500 Sp, 1,000 D
25	0.727	8.2	250	100 R, 500 D, 1,000 D
35	0.524	9.2	345	100 R, 500 D, 1,000 D
50	0.387	11.3	475	100 R, 500 D, 1,000 D
70	0.268	13.0	695	500 D, 1,000 D
95	0.193	14.5	915	500 D, 1,000 D
120	0.153	17.1	1,140	500 D, 1,000 D
150	0.124	19.1	1,390	500 D, 1,000 D
185	0.099	21.4	1,760	500 D, 1,000 D
240	0.075	24.4	2,290	500 D, 1,000 D
300	0.060	27.1	3,050	500 D, 1,000 D

Subject to technical changes.