

# H07V-A-R

## Insulated wire

Standard: adapted to ČSN 347410-3 (HD 21.3-3)

### Usage:

For fixed installation in conduit, under plaster or in equipment and distributors.



### Construction:

- 1 Aluminium conductor, stranded wire (-R)
- 2 Core insulation (PVC)



**Rated voltage:** 450/750 V



**Test voltage:** 2500 Veff



**Temperature range:**

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



**Bending radius (min.):**

4 x  $\varnothing$  of wire for  $\varnothing \leq 8$  mm  
 5 x  $\varnothing$  of wire for  $\varnothing > 8$  mm



**Core identification:**

green/yellow (gnge),  
 black (sw), blue (bl),  
 brown (br), red (rt) and  
 other colours on request



**Fire properties:**

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



**Test certificate:**

EVPÚ Slovak Republic

Nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in air <sup>1)</sup> (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>H07V-A-R</b>						
25	1.200	112	5.5	75	108	1000 T
35	0.868	139	8.4	105	146	1000 T
50	0.641	169	11.4	150	190	1000 T
70	0.443	217	12.9	210	268	1000 T
95	0.320	265	15.0	285	365	1000 T
120	0.253	309	17.1	360	449	1000 T
150	0.206	364	16.4	450	541	1000 T
185	0.164	417	18.1	555	668	1000 T
240	0.129	486	27.2	720	879	1000 T
300	0.100	562	26.8	900	1,089	1000 T

1) basic rated current acc. to ČSN 347410-3 (HD 21.3-3)

Subject to technical changes.