



# H07V-U (Ye)

PVC Insulated wire, single core

## INSTALLATION AND HARMONISED CABLES AND WIRES

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 1000 V DC against ground.



### TECHNICAL DATA



**Standard**  
EN 50525-2-31



**Certificate**  
EZÚ Czech Republic  
ÖVE Austria



**Test Voltage**  
2.5 kV / 50 Hz



**Rated Voltage**  
450/750 V (U<sub>o</sub>/U)



**Bending radius (min.)**  
4 x  $\phi$  of wire



**Fire properties**  
EN 60332-1-2: self-extinguishing  
CPR Classification: Eca

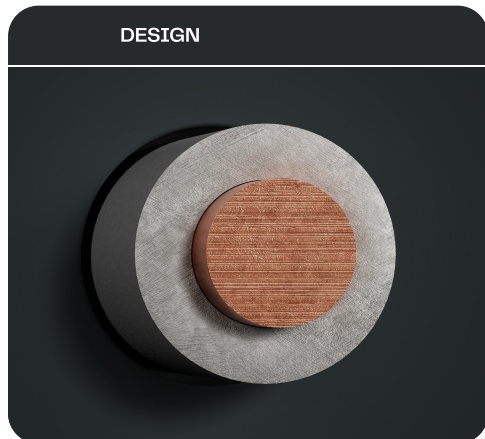


**Core identification**  
According to EN 50525-1: CR, SM, MD,  
HA, SE, OR, RZ, RA, TY, FI, BA, ZZ



**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

### DESIGN



Copper conductor, round solid (RE) -U



Core insulation (PVC)

| Nominal cross-section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------|----------------------------------|---------------------------|----------------------------|
| 1.5                                      | 12.1                             | 2.8                       | 20                         |
| 2.5                                      | 7.41                             | 3.3                       | 30                         |
| 4                                        | 4.61                             | 3.7                       | 43                         |
| 6                                        | 3.08                             | 4.2                       | 61                         |
| 10                                       | 1.83                             | 5.6                       | 106                        |
| 16                                       | 1.15                             | 6.5                       | 160                        |

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