

INSTALLATION AND HARMONISED CABLES AND WIRES

# H07V-U (Ye)

PVC Insulated wire, single core



## 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>0</sub>/U)



**Bending radius (min.)**  
4 x Ø of wire



**Fire properties**  
EN 60332-1-2: self-extinguishing  
OPR 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



1

Copper conductor, round solid (RE) -U

2

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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