



# 1-AYY

## PVC/PVC aluminium energy cables

LOW VOLTAGE CABLES 0,6/1 kV

The cables are designed for fixed installation on cable trays, cable ducts or ground.



### TECHNICAL DATA



**Standard**  
ČSN 34 7659-3P



**Rated Voltage**  
0,6/1 kV



**Test Voltage**  
4 kV / 50 Hz



**Bending radius (min.)**  
15 x Ø of cable



**Core identification**  
HD308 S2 (OR, HA, MD, SE, ZZ and others depending on customer demand)



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

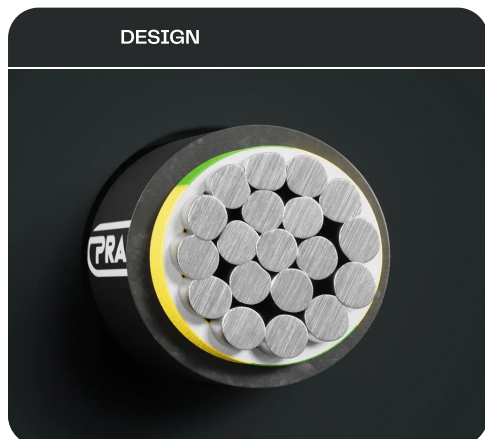


**Certificate**  
EZÚ Czech Republic



**Temperature range**  
Laying temperature: min. -10°C  
Operating temperature: -50°C up to 70°C  
Conductor temperature: max. 70°C  
Short circuit temperature: max. 140°C

### DESIGN



- 1 Aluminium conductor, round stranded (RM)
- 2 Core insulation (PVC)
- 3 Sheath (PVC black, UV-resistant)

| Number of cores x nominal cross-section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Current rating in the earth (A) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|
| 1 x 25 RM                                                  | 1.2                              | 160                             | 110                           | 12                        | 150                        |
| 1 x 35 RM                                                  | 0.868                            | 193                             | 135                           | 13                        | 195                        |
| 1 x 50 RM                                                  | 0.641                            | 230                             | 166                           | 14.6                      | 250                        |
| 1 x 70 RM                                                  | 0.443                            | 283                             | 210                           | 16.2                      | 300                        |
| 1 x 95 RM                                                  | 0.32                             | 340                             | 259                           | 18.3                      | 520                        |
| 1 x 120 RM                                                 | 0.253                            | 389                             | 302                           | 19.8                      | 595                        |
| 1 x 150 RM                                                 | 0.206                            | 436                             | 345                           | 21.5                      | 715                        |
| 1 x 185 RM                                                 | 0.164                            | 496                             | 401                           | 24.2                      | 900                        |
| 1 x 240 RM                                                 | 0.125                            | 578                             | 479                           | 26.8                      | 1090                       |
| 1 x 300 RM                                                 | 0.1                              | 656                             | 555                           | 29.9                      | 1390                       |
| 1 x 400 RM                                                 | 0.0778                           | 756                             | 653                           | 32.6                      | 1790                       |
| 1 x 500 RM                                                 | 0.0605                           | 873                             | 772                           | 36.9                      | 2130                       |

## CONTACT PERSON

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