



# E-AY2Y

## PVC/PE aluminium energy cable

ALUMINIUM 0.6/1 kV

Power distribution cables in power stations, industrial installations and switch gears, as well as in local mains. For fixed installation under ground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.



### TECHNICAL DATA



**Standard**  
ÖVE/ONORM E 8200–603 (HD 603)



**Certificate**  
EZÚ Czech Republic  
ÖVE Austria



**Test Voltage**  
core/core 4 kV / 50 Hz



**Rated Voltage**  
0.6/1 kV



**Bending radius (min.)**  
12 x  $\varnothing$  of cable (multicore)  
15 x  $\varnothing$  of cable (singlecore);



**Core identification**  
HD 308 S2



**Temperature range**  
Laying temperature: min. -5°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 solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 Core insulation (PVC)
- 3 Inner covering (EPDM or plastic tape)
- 4 Sheath (HDPE 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) |
|--|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|
| 4 x 25 RE  | 1.2                              | 102                             | 81                            | 23.5                      | 715                        |
| 4 x 35 SM  | 0.868                            | 122                             | 99                            | 24.3                      | 720                        |
| 1 x 50 RM  | 0.641                            | 230                             | 166                           | 14.8                      | 261                        |
| 4 x 50 SE  | 0.641                            | 144                             | 119                           | 26.4                      | 898                        |
| 4 x 50 SM  | 0.641                            | 144                             | 119                           | 28.1                      | 947                        |
| 3 x 70 SM  | 0.443                            | 179                             | 152                           | 28.1                      | 950                        |
| 4 x 70 SM  | 0.443                            | 179                             | 152                           | 30.9                      | 1232                       |
| 3 x 95 + 50 SM/RM  | 0.32 / 0.641                     | 215                             | 186                           | 36.4                      | 1502                       |
| 4 x 95 SE  | 0.32                             | 215                             | 186                           | 33.8                      | 1571                       |
| 4 x 95 SM  | 0.32                             | 215                             | 186                           | 36.4                      | 1677                       |
| 1 x 120 RM   | 0.253                            | 389                             | 302                           | 19.8                      | 524                        |
| 3 x 120 + 70 SM/RM   | 0.253 / 0.443                    | 245                             | 216                           | 39.3                      | 1826                       |
| 4 x 120 SM   | 0.253                            | 245                             | 216                           | 39.3                      | 2017                       |
| 1 x 150 RM   | 0.206                            | 436                             | 345                           | 21.7                      | 635                        |
| 4 x 150 SE   | 0.206                            | 275                             | 246                           | 40.4                      | 2316                       |
| 4 x 150 SM   | 0.206                            | 275                             | 246                           | 43.9                      | 2460                       |
| 4 x 185 SM   | 0.164                            | 313                             | 285                           | 49.6                      | 3100                       |
| 1 x 240 RM   | 0.125                            | 578                             | 479                           | 27.0                      | 1005                       |
| 3 x 240 SM   | 0.125                            | 364                             | 338                           | 47.2                      | 3004                       |
| 3 x 240 + 120 SM/RM  | 0.125 / 0.253                    | 365                             | 338                           | 55.1                      | 3489                       |
| 4 x 240 SM   | 0.125                            | 364                             | 338                           | 55.1                      | 3952                       |
| 1 x 300 RM   | 0.1                              | 654                             | 550                           | 29.7                      | 1227                       |
| 4 x 300 SM   | 0.1                              | 419                             | 400                           | 61.9                      | 4928                       |
| 1 x 400 RM   | 0.078                            | 756                             | 653                           | 33.4                      | 1542                       |
| 1 x 630 RM   | 0.047                            | 1011                            | 915                           | 42.4                      | 2439                       |

**CONTACT PERSON**

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