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## E-AY2Y-J or -O

PVC/PE aluminium energy cable

ALUMINIUM 0.6/1 kV

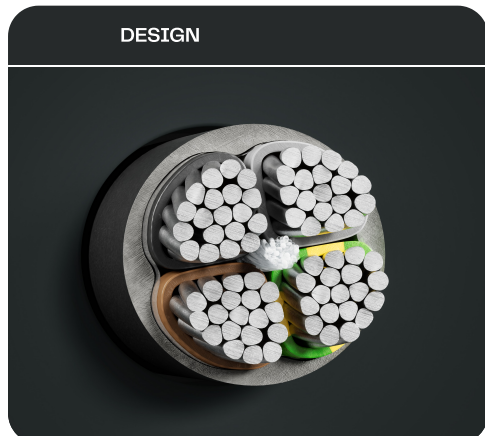
Power distribution cables in power stations, industrial installations and switch gears, as well as in local mains. For fixed installation under ground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – under severe mechanical stressing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



### TECHNICAL DATA

|                                                                                                                                            |                                                                                                                                                                                  |                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Standard</b><br>ÖVE/ONORM E 8200–603 (HD 603)        |  <b>Rated Voltage</b><br>0.6/1 kV                                                             |  <b>Core identification</b><br>HD 308 S2                                                                                                                                           |
|  <b>Certificate</b><br>EZÜ Czech Republic<br>ÖVE Austria |  <b>Bending radius (min.)</b><br>12 x Ø of cable (multicore)<br>15 x Ø of cable (singlecore); |  <b>Temperature range</b><br>Laying temperature: min. -5°C<br>Operating temperature: -50°C up to 70°C<br>Conductor temperature: max. 70°C<br>Short circuit temperature: max. 140°C |
|  <b>Test Voltage</b><br>core/core 4 kV / 50 Hz           |  <b>Fire properties</b><br>CPR-Klassifizierung: Fca                                           |                                                                                                                                                                                                                                                                         |

### 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) | Standard lengths/packing (m) |
|------------------------------------------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|------------------------------|
| 1 x 50 RM                                                  | 0.641                            | 230                             | 166                           | 14.8                      | 261                        | 500 D, 1000 D                |
| 1 x 70 RM                                                  | 0.834                            | 293                             | 210                           | 16.9                      | 386                        | 500 D, 1000 D                |
| 1 x 120 RM                                                 | 0.253                            | 389                             | 302                           | 21.6                      | 540                        | 500 D, 1000 D                |
| 1 x 150 RM                                                 | 0.206                            | 436                             | 345                           | 21.7                      | 635                        | 500 D, 1000 D                |
| 1 x 240 RM                                                 | 0.164                            | 578                             | 479                           | 27.2                      | 1058                       | 1000D                        |
| 1 x 300 RM                                                 | 0.1                              | 654                             | 550                           | 30.1                      | 1395                       | 1000D                        |
| 1 x 400 RM                                                 | 0.0778                           | 756                             | 653                           | 33.4                      | 1542                       | 500 D                        |
| 1 x 630 RM                                                 | 0.0469                           | 1011                            | 915                           | 42.4                      | 2439                       | 500 D                        |
| 3 x 70 SM                                                  | 0.443                            | 179                             | 152                           | 28.1                      | 950                        | 500 D, 1000 D                |
| 3 x 95 + 50 SM/RM                                          | 0.32                             | 215                             | 186                           | 36.4                      | 1502                       | 500 D, 1000 D                |
| 3 x 120 + 70 SM/RM                                         | 0.253                            | 245                             | 216                           | 39.3                      | 1826                       | 500 D, 1000 D                |
| 3 x 240 SM                                                 | 0.125                            | 364                             | 338                           | 47.2                      | 3004                       | 500 D                        |
| 3 x 240 + 120 SM/RM                                        | 0.125                            | 365                             | 338                           | 55.1                      | 3489                       | 500 D                        |
| 4 x 25 RE                                                  | 1.2                              | 102                             | 81                            | 24.2                      | 698                        | 500 D, 1000 D                |
| 4 x 25 RM                                                  | 1.2                              | 102                             | 81                            | 26                        | 700                        | 500 D, 1000 D                |
| 4 x 35 SM                                                  | 0.868                            | 122                             | 99                            | 24.3                      | 720                        | 500 D, 1000 D                |
| 4 x 50 SE                                                  | 0.641                            | 144                             | 119                           | 26.4                      | 898                        | 500 D, 1000 D                |
| 4 x 50 SM                                                  | 0.641                            | 144                             | 119                           | 28.1                      | 947                        | 500 D, 1000 D                |
| 4 x 70 SM                                                  | 0.443                            | 179                             | 152                           | 30.9                      | 1232                       | 500 D, 1000 D                |
| 4 x 95 SE                                                  | 0.32                             | 215                             | 186                           | 33.8                      | 1571                       | 500 D, 1000 D                |
| 4 x 95 SM                                                  | 0.32                             | 215                             | 186                           | 36.4                      | 1677                       | 500 D, 1000 D                |
| 4 x 120 SM                                                 | 0.253                            | 245                             | 216                           | 39.3                      | 2017                       | 500 D, 1000 D                |
| 4 x 150 SE                                                 | 0.206                            | 275                             | 246                           | 40.4                      | 2316                       | 500 D, 1000 D                |
| 4 x 150 SM                                                 | 0.206                            | 275                             | 246                           | 43.9                      | 2460                       | 500 D, 1000 D                |
| 4 x 185 SM                                                 | 0.164                            | 313                             | 285                           | 49.6                      | 3100                       | 500 D, 1000 D                |
| 4 x 240 SM                                                 | 0.125                            | 364                             | 338                           | 55.1                      | 3952                       | 500 D                        |
| 4 x 300 SM                                                 | 0.1                              | 419                             | 400                           | 61.9                      | 4928                       | 500 D                        |

## CONTACT PERSON

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