



E-AYY

PVC/PVC aluminium energy cables

LOW VOLTAGE CABLES 0,6/1 kV

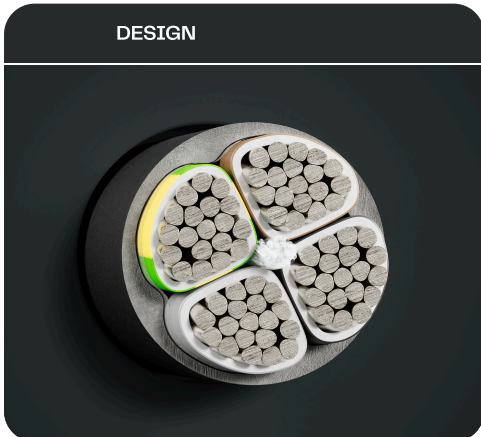
Power distribution cable for power stations, industrial facilities and switching stations as well as for local power networks. For fixed installation indoors, in cable ducts, outdoors and in water, according to the applicable erection standards, if no risk of any mechanical damage is to be expected.



TECHNICAL DATA

| | | |
|--|--|--|
| <p>Standard ÖVE/ONORM E 8200-603 (HD 603)</p> | <p>Rated Voltage 0,6/1 kV</p> | <p>Core identification HD 308 S2</p> |
| <p>Certificate EZÚ Czech Republic ÖVE Austria</p> | <p>Bending radius (min.) 12 x Ø of cable (multicore) 15 x Ø of cable (singlecore)</p> | <p>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</p> |
| <p>Test Voltage core/core 4 kV / 50 Hz</p> | <p>Fire properties EN 60332-1-2: self-extinguishing CPR Classification: Eca</p> | |

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 (PVC black, UV-resistant)

| Number of cores x nominal cross-section (mm ²) | 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 | 12.3 | 200 |
| 3 x 25 RM | 1.2 | 102 | 81 | 22.7 | 715 |
| 4 x 25 RM | 1.2 | 102 | 81 | 25.2 | 863 |
| 5 x 25 RM | 1.2 | 102 | 81 | 27.6 | 1022 |
| 1 x 35 RM | 0.868 | 193 | 135 | 13.3 | 240 |
| 3 x 35 RM | 0.868 | 122 | 99 | 25.2 | 898 |
| 4 x 35 SM | 0.868 | 122 | 99 | 24.5 | 801 |
| 1 x 50 RM | 0.868 | 230 | 166 | 15.0 | 304 |
| 3 x 50 SM | 0.641 | 144 | 119 | 25.5 | 813 |
| 4 x 50 SE | 0.641 | 144 | 119 | 26.6 | 986 |
| 4 x 50 SM | 0.641 | 144 | 119 | 28.3 | 1042 |
| 5 x 50 SM | 0.641 | 144 | 119 | 29.6 | 1261 |
| 1 x 70 RM | 0.443 | 283 | 210 | 16.5 | 383 |
| 3 x 70 SM | 0.443 | 179 | 152 | 28.3 | 1045 |
| 4 x 70 SM | 0.443 | 179 | 152 | 31.1 | 1337 |
| 5 x 70 SM | 0.443 | 179 | 152 | 35.0 | 1682 |
| 1 x 95 RM | 0.32 | 340 | 259 | 18.7 | 497 |
| 3 x 95 SM | 0.32 | 215 | 186 | 31.7 | 1369 |
| 4 x 95 SM | 0.32 | 215 | 186 | 36.6 | 1812 |
| 5 x 95 SM | 0.32 | 215 | 186 | 38.8 | 2222 |
| 1 x 120 RM | 0.253 | 389 | 302 | 20.0 | 584 |
| 3 x 120 SM | 0.253 | 245 | 216 | 34.2 | 1633 |
| 4 x 120 SM | 0.253 | 245 | 216 | 39.5 | 2163 |
| 5 x 120 SM | 0.253 | 245 | 216 | 43.5 | 2664 |
| 1 x 150 RM | 0.206 | 436 | 345 | 21.9 | 700 |
| 3 x 150 SM | 0.206 | 275 | 246 | 38.2 | 2018 |
| 3 x 150 + 70 SM/SM | 0.206 / 0,443 | 275 | 246 | 40.7 | 2306 |
| 4 x 150 SE | 0.206 | 275 | 246 | 40.6 | 2466 |
| 4 x 150 SM | 0.206 | 275 | 246 | 44.1 | 2623 |
| 5 x 150 SM | 0.206 | 275 | 246 | 48.5 | 3320 |
| 1 x 185 RM | 0.164 | 496 | 401 | 24.4 | 873 |
| 3 x 185 SM | 0.164 | 313 | 285 | 41.8 | 2468 |
| 3 x 185 + 95 SM/RM | 0.164 / 0,32 | 313 | 285 | 49.8 | 2980 |
| 4 x 185 SM | 0.164 | 313 | 285 | 49.8 | 3317 |
| 5 x 185 SM | 0.164 | 313 | 285 | 54.3 | 4103 |
| 1 x 240 RM | 0.125 | 578 | 479 | 27.2 | 1095 |
| 3 x 240 SM | 0.125 | 364 | 338 | 47.4 | 3214 |
| 3 x 240 + 120 SM/RM | 0.125 / 0,253 | 364 | 338 | 55.3 | 3731 |
| 4 x 240 SM | 0.125 | 364 | 338 | 55.3 | 4194 |
| 5 x 240 SM | 0.125 | 364 | 338 | 64.9 | 5379 |
| 1 x 300 RM | 0.1 | 654 | 550 | 29.9 | 1327 |
| 4 x 300 SM | 0.1 | 419 | 400 | 62.1 | 5241 |
| 1 x 400 RM | 0.078 | 756 | 653 | 33.6 | 1655 |
| 1 x 500 RM | 0.061 | 873 | 772 | 37.1 | 2074 |
| 1 x 630 RM | 0.047 | 1011 | 915 | 42.6 | 2599 |



CONTACT PERSON

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