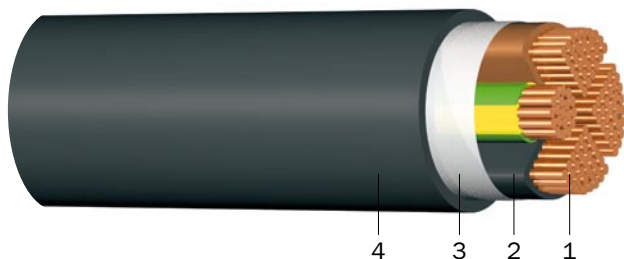


E-YY

Underground cable with PVC-insulation and PVC-sheath Standard: ÖVE K 23 and K 603 (HD 603)

Application:

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 mechanical damage is to be expected.



Construction:

- 1 Copper conductor, round single wire (RE), round multi wire (RM) resp. sector shaped multi wire (SM)
- 2 Insulation (PVC)
- 3 Common covering (EPDM or plastic tape) for multicore versions
- 4 Sheath (PVC black)



Rated voltage: 0.6/1 kV



Test voltage: 4000 Veff



Temperature range:

During installation: min. -5 °C
 Operating temperature: -40 °C to +70 °C
 Conductor temperature: max. +70 °C
 Short circuit temperature of the conductor: max. +160 °C/5 s (< 300 mm²) or max. +140 °C/5 s (> 300 mm²)



Bending radius (min.) 15 x Ø of the cable – single core
 12 x Ø of the cable – multi core



Core identification: colour code (ÖVE K 603)



Flammability:

Self extinguishing (EN 50265-2-1, IEC 60332-1)



Certification mark: ÖVE Austria

| Number of cores x nominal cross section (mm ²) | Max. Conductor resistance (Ω/km) | Current rating buried in earth ¹⁾ (A) | Current rating in air ¹⁾ (A) | Outer diameter (mm) appr. | Cu-value (kg/km) | Total weight (kg/km) appr. | Standard lengths/packing (m) | Price (EUR/km) |
|--|----------------------------------|--|---|---------------------------|------------------|----------------------------|------------------------------|------------------|
| E-YY-0 | | | | | | | | |
| 1 x 10 RM | 1.8300 | 83 | 64.0 | 8.8 | 100 | 153 | 500 T, 1000 T | 1,078.23 |
| 1 x 16 RE | 1.1500 | 107 | 84.0 | 9.5 | 160 | 219 | 500 T, 1000 T | 1,617.35 |
| 1 x 16 RM | 1.1500 | 107 | 84.0 | 9.6 | 160 | 223 | 500 T, 1000 T | 1,617.35 |
| 1 x 25 RM | 0.7270 | 138 | 114.0 | 11.5 | 250 | 327 | 500 T, 1000 T | 2,276.26 |
| 1 x 35 RM | 0.5240 | 164 | 139.0 | 12.6 | 350 | 435 | 500 T, 1000 T | 2,995.08 |
| 1 x 50 RM | 0.3870 | 195 | 169.0 | 14.9 | 500 | 576 | 500 T, 1000 T | 3,869.65 |
| 1 x 70 RM | 0.2680 | 238 | 213.0 | 17.0 | 700 | 793 | 500 T, 1000 T | 5,307.28 |
| 1 x 95 RM | 0.1930 | 286 | 264.0 | 19.0 | 950 | 1,069 | 500 T, 1000 T | 7,224.13 |
| 1 x 120 RM | 0.1530 | 325 | 307.0 | 20.0 | 1,200 | 1,320 | 500 T, 1000 T | 8,685.73 |
| 1 x 150 RM | 0.1240 | 366 | 352.0 | 22.5 | 1,500 | 1,616 | 500 T, 1000 T | 10,422.87 |
| 1 x 185 RM | 0.0991 | 413 | 406.0 | 24.6 | 1,850 | 1,995 | 500 T, 1000 T | 13,238.26 |
| 1 x 240 RM | 0.0754 | 479 | 483.0 | 27.7 | 2,400 | 2,593 | 500 T, 1000 T | 16,952.15 |
| 1 x 300 RM | 0.0601 | 539 | 552.0 | 30.3 | 3,000 | 3,163 | 500 T, 1000 T | 21,923.98 |
| 1 x 400 RM | 0.0470 | 614 | 646.0 | 35.0 | 4,000 | 4,137 | 500 T, 1000 T | a.A. |
| 1 x 500 RM | 0.0366 | 693 | 747.0 | 38.5 | 5,000 | 5,128 | 500 T, 1000 T | a.A. |

E-YY

| Number of cores x nominal cross section (mm ²) | Max. Conductor resistance (Ω/km) | Current rating buried in earth ¹⁾ (A) | Current rating in air ¹⁾ (A) | Outer diameter (mm) appr. | Cu- value (kg/km) | Total weight (kg/km) appr. | Standard lengths/ packing (m) | Price (EUR/km) |
|---|---|---|--|---------------------------------|-------------------------|----------------------------------|--|-------------------|
| E-YY-J | | | | | | | | |
| 1 x 10 RM | 1.8300 | 83 | 64.0 | 8.8 | 100 | 153 | 500 T, 1000 T | 1,186.05 |
| 1 x 16 RE | 1.1500 | 107 | 84.0 | 9.5 | 160 | 219 | 500 T, 1000 T | 1,830.20 |
| 1 x 16 RM | 1.1500 | 107 | 84.0 | 9.6 | 160 | 223 | 500 T, 1000 T | 1,779.08 |
| 1 x 25 RM | 0.7270 | 138 | 114.0 | 11.5 | 250 | 327 | 500 T, 1000 T | 2,478.40 |
| 1 x 35 RM | 0.5240 | 164 | 139.0 | 12.6 | 350 | 435 | 500 T, 1000 T | 3,378.45 |
| 1 x 50 RM | 0.3870 | 195 | 169.0 | 14.9 | 500 | 576 | 500 T, 1000 T | 4,311.17 |
| 1 x 70 RM | 0.2680 | 238 | 213.0 | 17.0 | 700 | 793 | 500 T, 1000 T | 5,879.41 |
| 1 x 95 RM | 0.1930 | 286 | 264.0 | 19.0 | 950 | 1,069 | 500 T, 1000 T | 8,047.68 |
| 1 x 120 RM | 0.1530 | 325 | 307.0 | 20.0 | 1,200 | 1,320 | 500 T, 1000 T | 9,589.05 |
| 1 x 150 RM | 0.1240 | 366 | 352.0 | 22.5 | 1,500 | 1,616 | 500 T, 1000 T | 11,610.04 |
| 1 x 185 RM | 0.0991 | 413 | 406.0 | 24.6 | 1,850 | 1,995 | 500 T, 1000 T | 14,746.09 |
| 1 x 240 RM | 0.0754 | 479 | 483.0 | 27.7 | 2,400 | 2,593 | 500 T, 1000 T | 19,254.26 |
| 1 x 300 RM | 0.0601 | 539 | 552.0 | 30.3 | 3,000 | 3,163 | 500 T, 1000 T | 24,901.27 |
| 1 x 400 RM | 0.0470 | 614 | 646.0 | 35.0 | 4,000 | 4,137 | 500 T, 1000 T | a.A. |
| 1 x 500 RM | 0.0366 | 693 | 747.0 | 38.5 | 5,000 | 5,128 | 500 T, 1000 T | a.A. |
| E-YY-O | | | | | | | | |
| 2 x 1.5 RE | 12.1000 | 32 | 20.0 | 8.7 | 30 | 119 | 500 Sp, 1000 Sp | 940.06 |
| 2 x 2.5 RE | 7.4100 | 42 | 27.0 | 9.9 | 50 | 157 | 500 Sp, 1000 Sp | 1,159.81 |
| 2 x 4 RE | 4.6100 | 54 | 37.0 | 11.5 | 80 | 227 | 500 Sp, 1000 Sp | 1,941.16 |
| 2 x 6 RE | 3.0800 | 68 | 48.0 | 12.0 | 120 | 270 | 500 Sp, 1000 Sp | 2,051.04 |
| 2 x 10 RE | 1.8300 | 90 | 66.0 | 14.0 | 200 | 401 | 500 T, 1000 T | 2,875.28 |
| 2 x 16 RE | 1.1500 | 116 | 89.0 | 17.0 | 320 | 597 | 500 T, 1000 T | 4,552.53 |
| E-YY-O / E-YY-J | | | | | | | | |
| 3 x 1.5 RE | 12.1000 | 27 | 19.5 | 9.2 | 45 | 142 | 500 Sp, 1000 Sp | 1,098.76 |
| 4 x 1.5 RE | 12.1000 | 27 | 19.5 | 10.0 | 60 | 168 | 500 Sp, 1000 Sp | 1,318.52 |
| 5 x 1.5 RE | 12.1000 | 19 | 14.5 | 11.0 | 75 | 199 | 500 Sp, 1000 Sp | 1,587.11 |
| 3 x 2.5 RE | 7.4100 | 36 | 25.0 | 10.4 | 75 | 188 | 500 Sp, 1000 Sp | 1,465.03 |
| 4 x 2.5 RE | 7.4100 | 36 | 25.0 | 11.1 | 100 | 222 | 500 Sp, 1000 Sp | 1,782.44 |
| 5 x 2.5 RE | 7.4100 | 25 | 19.5 | 12.2 | 125 | 259 | 500 Sp, 1000 Sp | 2,136.49 |
| 3 x 4 RE | 4.6100 | 46 | 34.0 | 12.0 | 120 | 267 | 500 Sp, 1000 Sp | 2,148.71 |
| 4 x 4 RE | 4.6100 | 46 | 34.0 | 13.3 | 160 | 336 | 500 Sp, 1000 Sp | 2,527.17 |
| 5 x 4 RE | 4.6100 | 32 | 25.5 | 14.4 | 200 | 395 | 500 Sp, 1000 Sp | 3,064.33 |
| 3 x 6 RE | 3.0800 | 58 | 43.0 | 13.0 | 180 | 346 | 500 Sp, 1000 Sp | 2,673.67 |
| 4 x 6 RE | 3.0800 | 58 | 43.0 | 14.2 | 240 | 427 | 500 Sp, 1000 Sp | 3,125.38 |
| 5 x 6 RE | 3.0800 | 41 | 32.0 | 15.4 | 300 | 497 | 500 Sp, 1000 Sp | 3,760.22 |
| 3 x 10 RE | 1.8300 | 78 | 59.0 | 15.0 | 300 | 508 | 500 T, 1000 T | 3,833.70 |
| 4 x 10 RE | 1.8300 | 78 | 59.0 | 18.0 | 400 | 642 | 500 T, 1000 T | 4,324.90 |
| 5 x 10 RE | 1.8300 | 55 | 44.0 | 18.5 | 500 | 770 | 500 T, 1000 T | 5,510.95 |
| 4 x 10 RM | 1.8300 | 78 | 59.0 | 18.0 | 400 | 667 | 500 T, 1000 T | 5,055.70 |
| 5 x 10 RM | 1.8300 | 55 | 44.0 | 20.0 | 500 | 821 | 500 T, 1000 T | 5,726.59 |
| 3 x 16 RE | 1.1500 | 101 | 78.0 | 17.5 | 480 | 734 | 500 T, 1000 T | 5,570.85 |
| 4 x 16 RE | 1.1500 | 101 | 78.0 | 20.0 | 640 | 919 | 500 T, 1000 T | 6,469.38 |

E-YY

| Number of cores x nominal cross section (mm ²) | Max. Conductor resistance (Ω/km) | Current rating buried in earth ¹⁾ (A) | Current rating in air ¹⁾ (A) | Outer diameter (mm) appr. | Cu- value (kg/km) | Total weight (kg/km) appr. | Standard lengths/ packing (m) | Price (EUR/km) |
|---|---|---|--|---------------------------------|-------------------------|----------------------------------|--|-------------------|
| E-YY-O / E-YY-J | | | | | | | | |
| 5 x 16 RE | 1.1500 | 71 | 59.0 | 22.0 | 800 | 1,147 | 500 T, 1000 T | 8,026.81 |
| 3 x 16 RM | 1.1500 | 101 | 78.0 | 18.9 | 480 | 774 | 500 T, 1000 T | 5,810.45 |
| 4 x 16 RM | 1.1500 | 101 | 78.0 | 21.0 | 640 | 978 | 500 T, 1000 T | 7,104.34 |
| 5 x 16 RM | 1.1500 | 71 | 59.0 | 22.5 | 800 | 1,183 | 500 T, 1000 T | 8,841.47 |
| 3 x 25 RM | 0.7270 | 132 | 105.0 | 21.5 | 750 | 1,188 | 500 T, 1000 T | 8,446.13 |
| 4 x 25 RM | 0.7270 | 132 | 105.0 | 25.1 | 1,000 | 1,486 | 500 T, 1000 T | 10,183.27 |
| 5 x 25 RM | 0.7270 | - | - | 28.7 | 1,250 | 1,803 | 500 T, 1000 T | 14,016.97 |
| 3 x 35 SM | 0.0524 | 159 | 129.0 | 22.5 | 1,050 | 1,231 | 500 T, 1000 T | 9,763.96 |
| 4 x 35 SM | 0.0524 | 159 | 129.0 | 25.0 | 1,400 | 1,685 | 500 T, 1000 T | 13,417.95 |
| 5 x 35 RM | 0.0524 | - | - | 31.5 | 1,750 | 2,320 | 500 T, 1000 T | 18,090.27 |
| 3 x 50 SM | 0.3870 | 188 | 157.0 | 25.9 | 1,500 | 1,688 | 500 T, 1000 T | 12,699.14 |
| 4 x 50 SM | 0.3870 | 188 | 157.0 | 29.3 | 2,000 | 2,230 | 500 T, 1000 T | 15,933.82 |
| 5 x 50 RM | 0.3870 | - | - | 36.5 | 2,500 | 3,200 | 500 T, 1000 T | 24,200.24 |
| 3 x 70 SM | 0.2680 | 232 | 199.0 | 29.5 | 2,100 | 2,450 | 500 T, 1000 T | 17,850.67 |
| 4 x 70 SM | 0.2680 | 232 | 199.0 | 33.0 | 2,800 | 2,999 | 500 T, 1000 T | 22,403.19 |
| 5 x 70 RM | 0.2680 | - | - | 42.0 | 3,500 | 4,419 | 500 T, 1000 T | 34,742.92 |
| 3 x 95 SM | 0.1930 | 280 | 246.0 | 33.0 | 2,850 | 3,210 | 500 T, 1000 T | 23,840.83 |
| 4 x 95 SM | 0.1930 | 280 | 246.0 | 38.0 | 3,800 | 4,145 | 500 T, 1000 T | 30,669.61 |
| 5 x 95 RM | 0.1930 | - | - | 50.0 | 4,750 | 6,115 | 500 T, 1000 T | 47,082.65 |
| 3 x 120 SM | 0.1530 | 318 | 285.0 | 36.0 | 3,600 | 4,050 | 500 T, 1000 T | 29,591.38 |
| 4 x 120 SM | 0.1530 | 318 | 285.0 | 41.5 | 4,800 | 5,054 | 500 T, 1000 T | 37,737.99 |
| 5 x 120 RM | 0.1530 | - | - | 53.1 | 6,000 | 7,338 | 500 T, 1000 T | 55,708.47 |
| 3 x 150 SM | 0.1240 | 359 | 326.0 | 40.3 | 4,500 | 4,879 | 500 T, 1000 T | 35,581.54 |
| 4 x 150 SM | 0.1240 | 359 | 326.0 | 45.0 | 6,000 | 6,280 | 500 T, 1000 T | 45,285.60 |
| 3 x 185 SM | 0.0991 | 406 | 374.0 | 44.0 | 5,550 | 6,200 | 500 T, 1000 T | 44,686.58 |
| 4 x 185 SM | 0.0991 | 406 | 374.0 | 49.0 | 7,400 | 7,656 | 500 T, 1000 T | 56,307.49 |
| 3 x 240 SM | 0.0754 | 473 | 445.0 | 52.0 | 7,200 | 8,300 | 800 T | 58,583.75 |
| 4 x 240 SM | 0.0754 | 473 | 445.0 | 58.0 | 9,600 | 10,172 | 800 T | 74,158.15 |
| 3 x 25 RM + 16 RE | 0.7270/1.1500 | 132 | 105.0 | 22.5 | 910 | 1,363 | 500 T, 1000 T | 9,704.06 |
| 3 x 35 SM + 16 RE | 0.5240/1.1600 | 159 | 129.0 | 23.9 | 1,210 | 1,416 | 500 T, 1000 T | 11,860.51 |
| 3 x 50 SM + 25 RM | 0.3870/0.7270 | 188 | 157.0 | 28.2 | 1,750 | 1,977 | 500 T, 1000 T | 14,975.40 |
| 3 x 70 SM + 35 RM | 0.2680/0.5240 | 232 | 199.0 | 31.6 | 2,450 | 2,642 | 500 T, 1000 T | 20,246.74 |
| 3 x 95 SM + 50 RM | 0.1930/0.3870 | 280 | 246.0 | 35.8 | 3,350 | 3,621 | 500 T, 1000 T | 26,716.10 |
| 3 x 120 SM + 70 RM | 0.1530/0.2680 | 318 | 285.0 | 39.0 | 4,300 | 4,511 | 500 T, 1000 T | 34,143.90 |
| 3 x 150 SM + 70 RM | 0.1240/0.2680 | 359 | 326.0 | 43.0 | 5,200 | 5,466 | 500 T, 1000 T | 40,373.67 |
| 3 x 185 SM + 95 RM | 0.0991/0.1930 | 406 | 374.0 | 47.5 | 6,500 | 6,717 | 500 T, 1000 T | 52,114.37 |
| 3 x 240 SM + 120 RM | 0.0754/0.1530 | 473 | 445.0 | 55.0 | 8,400 | 8,832 | 800 T | 65,292.73 |

1) Basic current rating according to ÖVE K 23 and K 603 (HD603)
Subject to technical changes. All figures are therefore without guarantee.