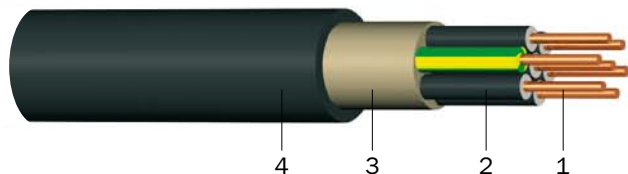


# E-YY multicore

**Underground cable with PVC-insulation and PVC-sheath**  
**Standard: ÖVE K 23 and K 627 (HD 627)**

**Application:**

Power distribution and control cable for power stations, industrial facilities and switching stations. 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)
- 2 Insulation (PVC)
- 3 Common covering (EPDM or plastic tape)
- 4 Sheath (PVC black)



**Rated voltage:** 0.6/1 kV



**Test voltage:** 4000 Veff



**Temperature range:**

During installation: min. -5 °C  
 Operating temperature: -30 °C to +70 °C  
 Conductor temperature: max. +70 °C  
 Short circuit temperature of the conductor: max. +160 °C/5 s



**Bending radius (min.)** 12 x Ø of the cable



**Core identification:**

black with number printing (ÖVE K 23)



**Flammability:**

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



**Certification mark:**

ÖVE Austria

Number of cores x nominal cross section (mm²)	Max. Conductor resistance (Ω/km)	Current rating buried in earth <sup>1)</sup> (A)	Current rating in air <sup>1)</sup> (A)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
<b>E-YY-0 / E-YY-J</b>								
7 x 1.5	12.10	16.0	12.5	11.5	105	244	500 T, 1000 T	<b>1,904.53</b>
10 x 1.5	12.10	13.5	10.5	14.2	150	367	500 T, 1000 T	<b>2,869.01</b>
12 x 1.5	12.10	12.5	10.0	14.4	180	385	500 T, 1000 T	<b>3,174.21</b>
14 x 1.5	12.10	12.0	9.5	16.5	210	452	500 T, 1000 T	<b>3,540.46</b>
16 x 1.5	12.10	11.0	9.0	17.5	240	506	500 T, 1000 T	<b>4,089.86</b>
19 x 1.5	12.10	11.0	9.0	18.0	285	579	500 T, 1000 T	<b>4,578.19</b>
21 x 1.5	12.10	9.5	8.0	19.0	315	650	500 T, 1000 T	5,240.17
24 x 1.5	12.10	9.5	8.0	20.1	360	756	500 T, 1000 T	<b>5,982.17</b>
30 x 1.5	12.10	8.5	7.5	21.4	450	846	500 T, 1000 T	<b>7,325.11</b>
37 x 1.5	12.10	8.0	7.0	24.0	555	1,024	500 T, 1000 T	9,156.39
40 x 1.5	12.10	7.5	6.5	25.0	600	1,094	500 T, 1000 T	9,879.41
44 x 1.5	12.10	7.5	6.5	26.5	660	1,205	500 T, 1000 T	11,109.75
48 x 1.5	12.10	7.0	6.0	28.4	720	1,316	500 T, 1000 T	12,574.77
52 x 1.5	12.10	7.0	6.0	29.5	780	1,450	500 T, 1000 T	13,275.28
61 x 1.5	12.10	7.0	6.0	31.6	915	1,586	500 T, 1000 T	14,287.28

1) Basic current rating according to ÖVE K 23 and K 627 (HD 627)  
 Subject to technical changes. All figures are therefore without guarantee.

## E–YY multicore

Number of cores x nominal cross section (mm <sup>2</sup> )	Max. Conductor resistance (Ω/km)	Current rating buried in earth <sup>1)</sup> (A)	Current rating in air <sup>1)</sup> (A)	Outer diameter (mm) appr.	Cu- value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
<b>E–YY–O / E–YY–J</b>								
7 x 2.5	7.41	21.5	17.0	14.1	175	358	500 T, 1000 T	<b>3,174.21</b>
10 x 2.5	7.41	18.0	14.5	17.3	250	517	500 T, 1000 T	<b>4,639.24</b>
12 x 2.5	7.41	17.0	13.5	17.8	300	627	500 T, 1000 T	<b>5,493.83</b>
14 x 2.5	7.41	16.0	13.0	18.6	350	702	500 T, 1000 T	<b>6,226.35</b>
16 x 2.5	7.41	15.0	12.0	20.1	400	829	500 T, 1000 T	<b>7,080.94</b>
19 x 2.5	7.41	14.5	11.5	21.1	475	945	500 T, 1000 T	<b>8,057.62</b>
21 x 2.5	7.41	12.5	10.5	22.0	525	980	500 T, 1000 T	9,250.02
24 x 2.5	7.41	12.5	10.5	23.0	600	1,027	500 T, 1000 T	9,644.73
30 x 2.5	7.41	11.5	9.5	26.1	750	1,375	500 T, 1000 T	12,330.60
37 x 2.5	7.41	11.0	9.0	28.0	925	1,649	500 T, 1000 T	14,650.22
40 x 2.5	7.41	10.0	8.5	29.5	1,000	1,800	500 T, 1000 T	15,866.32
44 x 2.5	7.41	10.0	8.5	31.0	1,100	1,950	500 T, 1000 T	16,844.43
48 x 2.5	7.41	9.0	8.0	33.0	1,200	2,068	500 T, 1000 T	18,679.03
52 x 2.5	7.41	9.0	8.0	34.5	1,300	2,200	500 T, 1000 T	19,533.62
61 x 2.5	7.41	9.0	8.0	38.0	1,525	2,630	500 T, 1000 T	23,440.35
7 x 4	4.61	27.5	22.0	16.5	280	566	500 T, 1000 T	<b>4,163.10</b>
10 x 4	4.61	23.0	18.5	21.1	400	737	500 T, 1000 T	6,348.43
12 x 4	4.61	21.5	17.5	21.7	480	908	500 T, 1000 T	7,203.02
14 x 4	4.61	20.5	17.0	23.0	560	1,100	500 T, 1000 T	8,179.70
19 x 4	4.61	18.5	15.5	27.0	760	1,300	500 T, 1000 T	10,499.32
24 x 4	4.61	16.0	13.5	29.0	960	1,549	500 T, 1000 T	13,429.37
30 x 4	4.61	15.0	12.5	35.0	1,200	2,070	500 T, 1000 T	15,748.98
7 x 6	3.08	35.0	28.0	18.1	420	681	500 T, 1000 T	6,873.39
7 x 10	1.83	-	-	22.1	700	1,067	500 T, 1000 T	9,704.06

1) Basic current rating according to ÖVE K 23 and K 627 (HD 627)  
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