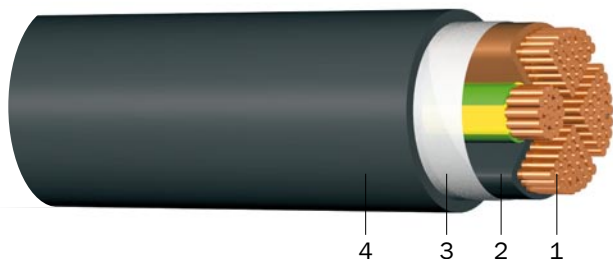


# E-Y2Y

**Underground cable with PVC-insulation and HDPE-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 high mechanical stress during installation and service occurs.



**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 (HDPE black), min. hardness 55 ShD

-  **Rated voltage:** 0.6/1 kV
-  **Test voltage:** 4000 V
-  **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. +140 °C/5 s (> 300 mm<sup>2</sup>) or max. +160 °C (< 300 mm<sup>2</sup>)
-  **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 23)
-  **Certification mark:** ÖVE Austria

Power cables

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-Y2Y</b>								
4 x 6 RE	3.080	58	43	16.3	240	441	500 T, 1000 T	<b>3,130.86</b>
4 x 10 RE	1.830	78	59	18.5	400	613	500 T, 1000 T	4,310.37
4 x 10 RM	1.830	78	59	18.4	400	641	500 T, 1000 T	<b>5,124.15</b>
4 x 16 RE	1.150	101	78	20.3	640	888	500 T, 1000 T	<b>6,448.50</b>
4 x 16 RM	1.150	101	78	20.5	640	923	500 T, 1000 T	<b>7,264.82</b>
4 x 25 RM	0.727	132	105	24.4	1,000	1,363	500 T, 1000 T	<b>10,476.07</b>
4 x 35 SM	0.524	159	129	27.0	1,400	1,587	500 T, 1000 T	<b>12,206.19</b>
4 x 50 SM	0.387	188	157	28.7	2,000	2,119	500 T, 1000 T	<b>16,231.99</b>
4 x 70 SM	0.268	232	199	32.2	2,800	2,873	500 T, 1000 T	<b>a. A.</b>

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