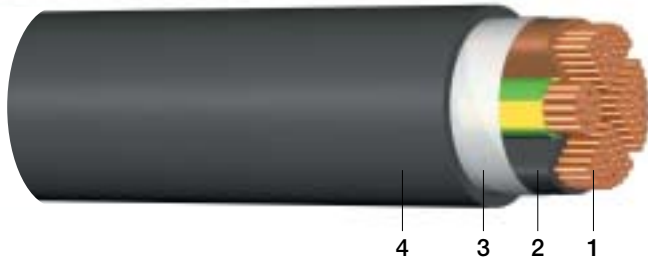


E-YY**Underground cable with PVC insulation and PVC sheath****Standard: ÖVE K 23 and K 603 (HD 603)****Usage:**

Power distribution cables in power stations, industrial installations and switchgear, as well as in local mains. For fixed installation in interior premises, cable ducts, in the open air, in water – as permitted by the local building regulations – if no risk of any mechanical damage is to be expected.

**Construction:**

- 1 Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
- 2 Core insulation (PVC)
- 3 Inner covering (EPDM or plastic tape) in case of multicore constructions
- 4 Sheath (PVC black, UV-resistant)

**Rated voltage:** 0.6/1 kV**Test voltage:** 3500 Veff**Temperature range:**

laying temperature: min. -5 °C

operating temperature: -5 °C to +50 °C

conductor temperature: max. +70 °C

short-circuit

temperature:

max. +160 °C/5 s

(< 300 mm²)

resp. max. +140 °C/5 s

(> 300 mm²)**Biegeradius (mind.)**

15 x Ø of cable (single core)

12 x Ø of cable (multi core)

**Core identification:**

coloured (ÖVE)

**Fire properties:**

flame retardant

(EN 50265-2-1,

IEC 60332-1)

**Test certificate:**

ÖVE Austria

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
E-YY-0							
1 x 10 RM	1.8300	83	64	8.8	100	153	500 T, 1000 T
1 x 16 RE	1.1500	107	84	9.4	160	219	500 T, 1000 T
1 x 16 RM	1.1500	107	84	9.8	160	223	500 T, 1000 T
1 x 25 RM	0.7270	138	114	11.3	250	329	500 T, 1000 T
1 x 35 RM	0.5240	164	139	12.4	350	435	500 T, 1000 T
1 x 50 RM	0.3870	195	169	14.9	500	575	500 T, 1000 T
1 x 70 RM	0.2680	238	213	17.0	700	793	500 T, 1000 T
1 x 95 RM	0.1930	286	264	19.0	950	1,088	500 T, 1000 T
1 x 120 RM	0.1530	325	307	20.0	1,200	1,319	500 T, 1000 T
1 x 150 RM	0.1240	366	352	22.5	1,500	1,571	500 T, 1000 T
1 x 185 RM	0.0991	413	406	24.5	1,850	1,941	500 T, 1000 T
1 x 240 RM	0.0754	479	483	28.0	2,400	2,558	500 T, 1000 T
1 x 300 RM	0.0601	539	552	30.0	3,000	3,164	500 T, 1000 T
1 x 400 RM	0.0470	614	646	35.0	4,000	4,112	500 T, 1000 T
1 x 500 RM	0.0366	693	747	38.5	5,000	5,128	500 T, 1000 T
E-YY-J							
1 x 10 RM	1.8300	83	64	8.8	100	153	500 T, 1000 T
1 x 16 RE	1.1500	107	84	9.4	160	219	500 T, 1000 T
1 x 16 RM	1.1500	107	84	9.8	160	223	500 T, 1000 T

E-YY

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Gesamtgewicht (kg/km) ca.	Standard lengths/packing (m)
E-YY-J							
1 x 25 RM	0.7270	138	114	11.3	250	329	500 T, 1000 T
1 x 35 RM	0.5240	164	139	12.4	350	435	500 T, 1000 T
1 x 50 RM	0.3870	195	169	14.9	500	575	500 T, 1000 T
1 x 70 RM	0.2680	238	213	17.0	700	793	500 T, 1000 T
1 x 95 RM	0.1930	286	264	19.0	950	1,088	500 T, 1000 T
1 x 120 RM	0.1530	325	307	20.0	1,200	1,319	500 T, 1000 T
1 x 150 RM	0.1240	366	352	22.5	1,500	1,571	500 T, 1000 T
1 x 185 RM	0.0991	413	406	24.5	1,850	1,941	500 T, 1000 T
1 x 240 RM	0.0754	479	483	28.0	2,400	2,558	500 T, 1000 T
1 x 300 RM	0.0601	539	552	30.0	3,000	3,164	500 T, 1000 T
1 x 400 RM	0.0470	614	646	35.0	4,000	4,112	500 T, 1000 T
1 x 500 RM	0.0366	693	747	38.5	5,000	5,128	500 T, 1000 T
E-YY-O							
2 x 1.5 RE	12.1000	32	20	8.4	30	119	500 Sp, 1000 Sp
2 x 2.5 RE	7.4100	42	27	9.6	50	146	500 Sp, 1000 Sp
2 x 4 RE	4.6100	54	37	10.5	80	247	500 Sp, 1000 Sp
2 x 6 RE	3.0800	68	48	11.6	120	262	500 Sp, 1000 Sp
2 x 10 RE	1.8300	90	66	13.5	200	387	500 T, 1000 T
2 x 16 RE	1.1500	116	89	17.1	320	588	500 T, 1000 T
E-YY-O/E-YY-J/E-YY-JN							
3 x 1.5 RE	12.1000	27	19.5	9.1	45	138	500 Sp, 1000 Sp
4 x 1.5 RE	12.1000	27	19.5	9.7	60	160	500 Sp, 1000 Sp
5 x 1.5 RE	12.1000	19	14.5	10.5	75	187	500 Sp, 1000 Sp
3 x 2.5 RE	7.4100	36	25	9.8	75	182	500 Sp, 1000 Sp
4 x 2.5 RE	7.4100	36	25	10.4	100	214	500 Sp, 1000 Sp
5 x 2.5 RE	7.4100	25	19.5	12.0	125	261	500 Sp, 1000 Sp
3 x 4 RE	4.6100	46	34	11.2	120	260	500 Sp, 1000 Sp
4 x 4 RE	4.6100	46	34	13.0	160	321	500 Sp, 1000 Sp
5 x 4 RE	4.6100	32	25.5	14.5	200	388	500 Sp, 1000 Sp
3 x 6 RE	3.0800	58	43	12.5	180	338	500 Sp, 1000 Sp
4 x 6 RE	3.0800	58	43	14.0	240	421	500 Sp, 1000 Sp
5 x 6 RE	3.0800	41	32	15.7	300	510	500 Sp, 1000 Sp
3 x 10 RE	1.8300	78	59	15.6	300	506	500 T, 1000 T
4 x 10 RE	1.8300	78	59	17.0	400	632	500 T, 1000 T
5 x 10 RE	1.8300	55	44	19.0	500	779	500 T, 1000 T
4 x 10 RM	1.8300	78	59	17.0	400	654	500 T, 1000 T
5 x 10 RM	1.8300	55	44	19.0	500	791	500 T, 1000 T
3 x 16 RE	1.1500	101	78	17.5	480	718	500 T, 1000 T
4 x 16 RE	1.1500	101	78	19.3	640	912	500 T, 1000 T
5 x 16 RE	1.1500	71	59	21.0	800	1,147	500 T, 1000 T

E-YY

Number of cores x nominal cross section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the ground ¹⁾ (A)	Current rating in the air ¹⁾ (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
E-YY-O/E-YY-J/E-YY-JN							
3 x 16 RM	1.1500	101	78	18.9	480	762	500 T, 1000 T
4 x 16 RM	1.1500	101	78	20.2	640	957	500 T, 1000 T
5 x 16 RM	1.1500	71	59	22.2	800	1,143	500 T, 1000 T
3 x 25 RM	0.7270	132	105	21.5	750	1,188	500 T, 1000 T
4 x 25 RM	0.7270	132	105	24.7	1,000	1,427	500 T, 1000 T
5 x 25 RM	0.7270	132	105	28.4	1,250	1,761	500 T, 1000 T
3 x 35 SM	0.0524	159	129	22.5	1,050	1,231	500 T, 1000 T
4 x 35 SM	0.0524	159	129	24.5	1,400	1,609	500 T, 1000 T
5 x 35 RM	0.0524	159	129	30.0	1,750	2,298	500 T, 1000 T
3 x 50 SM	0.3870	188	157	25.9	1,500	1,688	500 T, 1000 T
4 x 50 SM	0.3870	188	157	28.5	2,000	2,149	500 T, 1000 T
5 x 50 RM	0.3870	188	157	36.5	2,500	3,200	500 T, 1000 T
3 x 70 SM	0.2680	232	199	29.5	2,100	2,450	500 T, 1000 T
4 x 70 SM	0.2680	232	199	32.2	2,800	2,941	500 T, 1000 T
5 x 70 RM	0.2680	232	199	43.0	3,500	4,337	500 T, 1000 T
3 x 95 SM	0.1930	280	246	33.0	2,850	3,210	500 T, 1000 T
4 x 95 SM	0.1930	280	246	37.5	3,800	4,103	500 T, 1000 T
5 x 95 RM	0.1930	280	246	50.0	4,750	6,090	500 T, 1000 T
3 x 120 SM	0.1530	318	285	36.0	3,600	4,050	500 T, 1000 T
4 x 120 SM	0.1530	318	285	41.0	4,800	5,003	500 T, 1000 T
5 x 120 RM	0.1530	318	285	51.0	6,000	6,579	500 T, 1000 T
3 x 150 SM	0.1240	359	326	40.3	4,500	4,879	500 T, 1000 T
4 x 150 SM	0.1240	359	326	45.0	6,000	6,061	500 T, 1000 T
3 x 185 SM	0.0991	406	374	44.0	5,550	6,200	500 T, 1000 T
4 x 185 SM	0.0991	406	374	49.0	7,400	7,555	500 T, 1000 T
3 x 240 SM	0.0754	473	445	52.0	7,200	8,300	800 T
4 x 240 SM	0.0754	473	445	57.0	9,600	10,143	800 T
3 x 25 RM + 16 RE	0.727/1.15	132	105	22.5	910	1,363	500 T, 1000 T
3 x 35 SM + 16 RE	0.524/1.16	159	129	23.9	1,210	1,416	500 T, 1000 T
3 x 50 SM + 25 RM	0.387/0.727	188	157	28.2	1,750	1,977	500 T, 1000 T
3 x 70 SM + 35 RM	0.268/0.524	232	199	31.9	2,450	2,720	500 T, 1000 T
3 x 95 SM + 50 RM	0.193/0.387	280	246	35.8	3,350	3,621	500 T, 1000 T
3 x 120 SM + 70 RM	0.153/0.268	318	285	40.0	4,300	4,492	500 T, 1000 T
3 x 150 SM + 70 RM	0.124/0.268	359	326	43.0	5,200	5,502	500 T, 1000 T
3 x 185 SM + 95 RM	0.0991/0.193	406	374	48.0	6,500	6,805	500 T, 1000 T
3 x 240 SM + 120 RM	0.0754/0.153	473	445	54.0	8,400	8,811	800 T

1) basic rated current acc. to ÖVE K 603
Subject to technical changes.