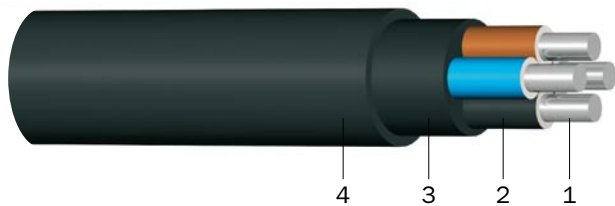


E-AYY

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 mechnaical damage is to be expected.



Construction:

- 1 Aluminium conductor, round single wire (RE), sector shaped single wire (SE), 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: -30 °C to +70 °C
 Conductor temperature: max. +70 °C
 Short circuit temperature of the conductor: max. +160 °C/5 s
- 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

Power cables

Number of cores x nominal cross section (mm²)	Max. Conductor resistance (Ω/km)	Current rating buried in earth ¹⁾ (A)	Current rating in air ¹⁾ (A)	Outer diameter (mm) appr.	Al-value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
E-AYY-O								
1 x 25 RM	1.200	106	87	11.3	74	174	500 T, 1000 T	1,875.43
1 x 35 RM	0.868	127	107	12.4	103	231	500 T, 1000 T	2,178.54
1 x 50 RM	0.641	151	131	13.8	147	296	500 T, 1000 T	2,775.78
1 x 70 RM	0.443	185	166	15.8	206	375	500 T, 1000 T	3,434.58
1 x 95 RM	0.320	222	205	17.6	279	485	500 T, 1000 T	4,411.29
1 x 120 RM	0.253	253	239	19.1	353	580	500 T, 1000 T	5,434.82
1 x 150 RM	0.206	284	273	22.5	441	737	500 T, 1000 T	6,402.29
1 x 185 RM	0.164	322	317	25.1	544	895	500 T, 1000 T	7,604.30
1 x 240 RM	0.125	375	378	26.5	706	1,058	500 T, 1000 T	9,463.49
1 x 300 RM	0.100	423	434	30.7	882	1,344	500 T, 1000 T	12,226.90
E-AYY-J								
1 x 25 RM	1.200	106	87	11.3	74	174	500 T, 1000 T	2,062.98
1 x 35 RM	0.868	127	107	12.4	103	231	500 T, 1000 T	2,396.40
1 x 50 RM	0.641	151	131	13.8	147	296	500 T, 1000 T	3,053.36
1 x 70 RM	0.443	185	166	15.8	206	375	500 T, 1000 T	3,778.04
1 x 95 RM	0.320	222	205	17.6	279	485	500 T, 1000 T	4,852.42

E-AYY

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.	Al- value (kg/km)	Total weight (kg/km) appr.	Standard lengths/ packing (m)	Price (EUR/km)
E-AYY-J								
1 x 120 RM	0.253	253	239	19.1	353	580	500 T, 1000 T	5,978.31
1 x 150 RM	0.206	284	273	22.5	441	737	500 T, 1000 T	7,042.50
1 x 185 RM	0.164	322	317	25.1	544	895	500 T, 1000 T	8,364.74
1 x 240 RM	0.125	375	378	26.5	706	1,058	500 T, 1000 T	10,409.83
1 x 300 RM	0.100	423	434	30.7	882	1,344	500 T, 1000 T	13,449.59
E-AYY-J								
4 x 25 RM	1.200	102	81	24.0	294	843	500 T, 1000 T	6,998.49
4 x 25 RE	1.200	102	81	24.0	294	769	500 T, 1000 T	6,204.35
4 x 35 SM	0.868	122	99	27.0	412	956	500 T, 1000 T	8,050.16
4 x 35 RE	0.868	122	99	26.8	412	1,058	500 T, 1000 T	7,469.03
4 x 50 SM	0.641	144	119	28.0	588	1,021	500 T, 1000 T	9,540.98
4 x 50 SE	0.641	144	119	26.9	588	970	500 T, 1000 T	8,871.26
4 x 70 SM	0.443	179	152	32.0	823	1,341	500 T, 1000 T	12,697.74
4 x 70 SE	0.443	179	152	30.9	823	1,302	500 T, 1000 T	11,838.16
4 x 95 SM	0.320	215	186	36.5	1,117	1,805	500 T, 1000 T	16,399.36
4 x 95 SE	0.320	215	186	35.8	1,117	1,680	500 T, 1000 T	15,037.95
3 x 120 SM	0.253	245	216	36.0	1,058	1,824	500 T, 1000 T	19,272.82
4 x 120 SM	0.253	245	216	41.8	1,411	2,225	500 T, 1000 T	20,512.62
4 x 120 SE	0.253	245	216	37.8	1,411	1,997	500 T, 1000 T	18,850.09
3 x 150 SM	0.206	275	246	40.3	1,323	2,035	500 T, 1000 T	22,476.91
4 x 150 SM	0.206	275	246	45.0	1,764	2,605	500 T, 1000 T	23,586.59
4 x 150 SE	0.206	275	246	40.8	1,764	2,490	500 T, 1000 T	22,167.21
3 x 185 SM	0.164	313	285	44.0	1,632	2,760	500 T, 1000 T	27,724.90
4 x 185 SM	0.164	313	285	48.0	2,176	3,242	500 T, 1000 T	30,640.63
3 x 240 SM	0.125	364	338	52.0	2,117	3,277	500 T	35,107.92
4 x 240 SM	0.125	364	338	56.0	2,822	4,217	500 T	38,991.96
3 x 150 SM + 70 RM	0.206/0.443	275	246	43.0	1,529	2,333	500 T	22,190.53
3 x 185 + 95 SM	0.164/0.320	313	285	50.0	1,911	3,036	500 T	29,919.58
E-AYY-O								
3 x 240 + 120 SM	0.125/0.253	364	338	53.0	2,470	3,751	500 T	36,616.91

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