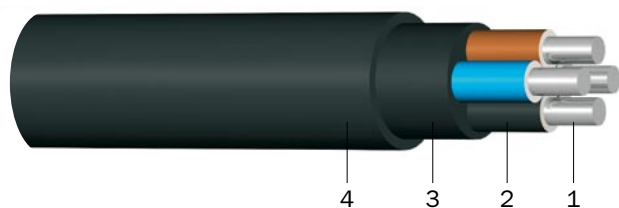


# E-AYY

**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 Aluminium conductor, round solid (RE), sector-shaped solid (SE), 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
-  **Bending radius (min.):**
  - 15 x Ø of cable (single core)
  - 12 x Ø of cable (multi core)
-  **Core identification:** coloured (HD 308 S2)
-  **Fire properties:** flame retardant (EN 50265-2-1, IEC 60332-1)
-  **Test certificate:** ÖVE Austria

Number of cores x nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the ground <sup>1)</sup> (A)	Current rating in the air <sup>1)</sup> (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/ packing (m)
<b>E-AYY-0</b>							
1 x 25 RM	1.200	106	87	11.3	74	174	500 T, 1000 T
1 x 35 RM	0.868	127	107	12.4	103	231	500 T, 1000 T
1 x 50 RM	0.641	151	131	13.8	147	296	500 T, 1000 T
1 x 70 RM	0.443	185	166	15.8	206	375	500 T, 1000 T
1 x 95 RM	0.320	222	205	17.6	279	485	500 T, 1000 T
1 x 120 RM	0.253	253	239	19.1	353	580	500 T, 1000 T
1 x 150 RM	0.206	284	273	22.5	441	737	500 T, 1000 T
1 x 185 RM	0.164	322	317	25.1	544	895	500 T, 1000 T
1 x 240 RM	0.125	375	378	26.5	706	1,058	500 T, 1000 T
1 x 300 RM	0.100	423	434	30.7	882	1,344	500 T, 1000 T
<b>E-AYY-J</b>							
1 x 25 RM	1.200	106	87	11.3	74	174	500 T, 1000 T
1 x 35 RM	0.868	127	107	12.4	103	231	500 T, 1000 T
1 x 50 RM	0.641	151	131	13.8	147	296	500 T, 1000 T
1 x 70 RM	0.443	185	166	15.8	206	375	500 T, 1000 T
1 x 95 RM	0.320	222	205	17.6	279	485	500 T, 1000 T
1 x 120 RM	0.253	253	239	19.1	353	580	500 T, 1000 T

## E-AYY

Number of cores x nominal cross section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the ground <sup>1)</sup> (A)	Current rating in the air <sup>1)</sup> (A)	Outer diameter (mm) ca.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>E-AYY-J</b>							
1 x 150 RM	0.206	284	273	22.5	441	737	500 T, 1000 T
1 x 185 RM	0.164	322	317	25.1	544	895	500 T, 1000 T
1 x 240 RM	0.125	375	378	26.5	706	1,058	500 T, 1000 T
1 x 300 RM	0.100	423	434	30.7	882	1,344	500 T, 1000 T
<b>E-AYY-J/E-AYY-JN</b>							
4 x 25 RM	1.200	102	81	24.0	294	843	500 T, 1000 T
4 x 25 RE	1.200	102	81	24.0	294	769	500 T, 1000 T
4 x 35 SM	0.868	122	99	27.0	412	956	500 T, 1000 T
4 x 35 RE	0.868	122	99	26.8	412	1,058	500 T, 1000 T
4 x 50 SM	0.641	144	119	28.0	588	1,021	500 T, 1000 T
4 x 50 SE	0.641	144	119	26.9	588	970	500 T, 1000 T
4 x 70 SM	0.443	179	152	32.0	823	1,341	500 T, 1000 T
4 x 70 SE	0.443	179	152	30.9	823	1,302	500 T, 1000 T
4 x 95 SM	0.320	215	186	36.5	1,117	1,805	500 T, 1000 T
4 x 95 SE	0.320	215	186	35.8	1,117	1,680	500 T, 1000 T
3 x 120 SM	0.253	245	216	36.0	1,058	1,824	500 T, 1000 T
4 x 120 SM	0.253	245	216	41.8	1,411	2,225	500 T, 1000 T
4 x 120 SE	0.253	245	216	37.8	1,411	1,997	500 T, 1000 T
3 x 150 SM	0.206	275	246	40.3	1,323	2,035	500 T, 1000 T
4 x 150 SM	0.206	275	246	45.0	1,764	2,605	500 T, 1000 T
4 x 150 SE	0.206	275	246	40.8	1,764	2,490	500 T, 1000 T
3 x 185 SM	0.164	313	285	44.0	1,632	2,760	500 T, 1000 T
4 x 185 SM	0.164	313	285	48.0	2,176	3,242	500 T, 1000 T
3 x 240 SM	0.125	364	338	52.0	2,117	3,277	500 T
4 x 240 SM	0.125	364	338	56.0	2,822	4,217	500 T
3 x 150 SM + 70 RM	0.206/0.443	275	246	43.0	1,529	2,333	500 T
3 x 185 + 95 SM	0.164/0.320	313	285	50.0	1,911	3,036	500 T
3 x 240 + 120 SM	0.125/0.253	364	338	53.0	2,470	3,751	500 T

1) basic rated current acc. to ÖVE K 23 and K 603 (HD 603)  
Subject to technical changes.