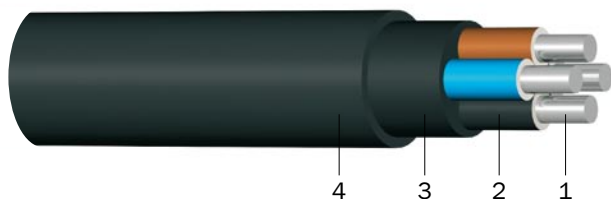


E-AY2Y

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 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 (HDPE black), min. hardness 55 ShD

- 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:** colour code (ÖVE K 23)
- Certification mark:** ÖVE Austria

Power cables

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-AY2Y-J								
4 x 25 RM	1.200	102	81	26.0	294	700	500 T, 1000 T	7,445.75
4 x 25 RE	1.200	102	81	25.0	294	689	500 T, 1000 T	6,642.02
4 x 35 SM	0.868	122	99	24.5	412	729	500 T, 1000 T	8,670.41
4 x 50 SM	0.641	144	119	27.0	588	929	500 T, 1000 T	10,269.74
4 x 50 SE	0.641	144	119	26.5	588	900	500 T, 1000 T	9,539.78
4 x 70 SM	0.443	179	152	31.2	823	1,235	500 T, 1000 T	13,583.43
4 x 70 SE	0.443	179	152	31.0	823	1,242	500 T, 1000 T	12,671.98
4 x 95 SM	0.320	215	186	35.0	1,117	1,632	500 T, 1000 T	17,426.80
4 x 95 SE	0.320	215	186	33.5	1,117	1,573	500 T, 1000 T	15,526.10
4 x 120 SM	0.253	245	216	44.5	1,411	2,068	500 T, 1000 T	21,419.01
4 x 120 SE	0.253	245	216	41.0	1,411	1,895	500 T, 1000 T	19,880.82
4 x 150 SM	0.206	275	246	43.3	1,764	2,457	500 T, 1000 T	24,529.39
4 x 150 SE	0.206	275	246	40.0	1,764	2,320	500 T, 1000 T	23,041.36
4 x 185 SM	0.164	313	285	53.0	2,176	3,102	500 T	32,198.98
4 x 240 SM	0.125	364	338	54.5	2,822	3,985	500 T	40,373.29
E-AY2Y-O								
3 x 240 + 120 SM	0.125/0.253	364	338	52.0	2,470	3,510	500 T	38,008.63

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