

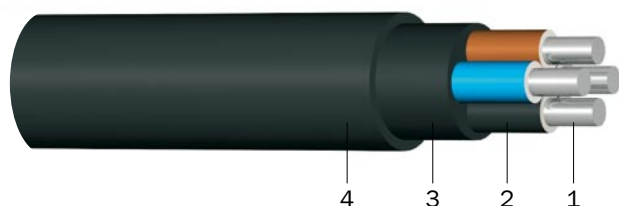
# E-AY2Y

**Underground cable with PVC insulation and HDPE 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 – under severe mechanical stressing during installation and operation.



### 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 (HDPE black, UV-resistant), min. shore D 55



**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.):** 12 x Ø of cable



**Core identification:** coloured (HD 308 S2)



**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-AY2Y</b>							
4 x 25 RM	1.200	102	81	26.0	294	700	500 T, 1000 T
4 x 25 RE	1.200	102	81	25.0	294	689	500 T, 1000 T
4 x 35 SM	0.868	122	99	24.5	412	729	500 T, 1000 T
4 x 50 SM	0.641	144	119	27.0	588	929	500 T, 1000 T
4 x 50 SE	0.641	144	119	26.5	588	900	500 T, 1000 T
4 x 70 SM	0.443	179	152	31.2	823	1,235	500 T, 1000 T
4 x 70 SE	0.443	179	152	31.0	823	1,242	500 T, 1000 T
4 x 95 SM	0.320	215	186	35.0	1,117	1,632	500 T, 1000 T
4 x 95 SE	0.320	215	186	33.5	1,117	1,573	500 T, 1000 T
4 x 120 SM	0.253	245	216	44.5	1,411	2,068	500 T, 1000 T
4 x 120 SE	0.253	245	216	41.0	1,411	1,895	500 T, 1000 T
4 x 150 SM	0.206	275	246	43.3	1,764	2,457	500 T, 1000 T
4 x 150 SE	0.206	275	246	40.0	1,764	2,320	500 T, 1000 T
4 x 185 SM	0.164	313	285	53.0	2,176	3 102	500 T
4 x 240 SM	0.125	364	338	54.5	2,822	3,985	500 T
3 x 240 + 120 SM	0.125/0.253	364	338	52.0	2,470	3,510	500 T

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