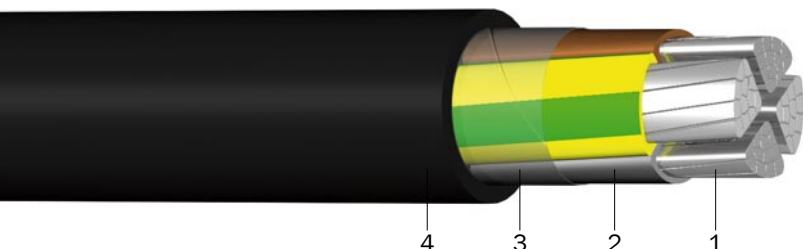


# E-AYY

## Underground cable with PVC insulation and PVC sheath

### DESIGN



- 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)
- 4 | Sheath (PVC black, UV-resistant)

### APPLICATION

Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, 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.

### TECHNICAL DATA



**Standard:**  
ÖVE/ÖNORM E 8200-603 (HD 603)



**Rated voltage:**  
0.6/1 kV



**Test voltage:**  
4 kV/50 Hz



**Temperature range:**  
laying temperature: min. -5 °C  
operating temperature: -50 °C up to +70 °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:**  
HD 308 S2



**Fire properties:**  
flame retardant:  
EN 60332-1-2



**Certificate:**  
EZÚ Czech Republic, ÖVE Austria

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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.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>E-AYY</b>						
5 x 16 RM	1.910	78	60	22.6	720	500 D, 1,000 D
1 x 25 RM	1.200	106	87	11.3	175	500 D, 1,000 D
4 x 25 RM	1.200	102	81	24.0	845	500 D, 1,000 D
4 x 25 RE	1.200	102	81	24.0	770	500 D, 1,000 D
5 x 25 RM	1.200	102	81	27.8	1,110	500 D, 1,000 D
1 x 35 RM	0.868	127	107	12.4	235	500 D, 1,000 D
4 x 35 SM	0.868	122	99	27.0	960	500 D, 1,000 D
4 x 35 RE	0.868	122	99	26.8	1,060	500 D, 1,000 D
5 x 35 RM	0.868	122	99	30.1	1,330	500 D, 1,000 D
1 x 50 RM	0.641	151	131	13.8	300	500 D, 1,000 D
4 x 50 SM	0.641	144	119	28.0	1,030	500 D, 1,000 D
4 x 50 SE	0.641	144	119	26.9	970	500 D, 1,000 D
5 x 50 SM	0.641	144	119	32.2	1,280	500 D, 1,000 D
1 x 70 RM	0.443	185	166	15.8	375	500 D, 1,000 D

## 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.	Total weight (kg/km) ca.	Standard lengths/packing (m)
<b>E-AYY</b>						
4 x 70 SM	0.443	179	152	32.0	1,350	500 D, 1,000 D
4 x 70 SE	0.443	179	152	30.9	1,310	500 D, 1,000 D
5 x 70 SM	0.443	179	152	35.9	1,680	500 D, 1,000 D
1 x 95 RM	0.320	222	205	17.6	485	500 D, 1,000 D
4 x 95 SM	0.320	215	186	36.5	1,810	500 D, 1,000 D
4 x 95 SE	0.320	215	186	35.8	1,680	500 D, 1,000 D
5 x 95 SM	0.320	215	186	40.8	2,210	500 D, 1,000 D
1 x 120 RM	0.253	253	239	19.1	580	500 D, 1,000 D
3 x 120 SM	0.253	245	216	36.0	1,830	500 D, 1,000 D
4 x 120 SM	0.253	245	216	41.8	2,230	500 D, 1,000 D
4 x 120 SE	0.253	245	216	37.8	2,000	500 D, 1,000 D
5 x 120 SM	0.253	245	216	44.1	2,640	500 D, 1,000 D
1 x 150 RM	0.206	284	273	22.5	740	500 D, 1,000 D
3 x 150 SM	0.206	275	246	40.3	2,040	500 D, 1,000 D
3 x 150 + 70 SM/SM	0.206/0.443	275	246	43.0	2,340	500 D
4 x 150 SM	0.206	275	246	45.0	2,610	500 D, 1,000 D
4 x 150 SE	0.206	275	246	40.8	2,490	500 D, 1,000 D
5 x 150 SM	0.206	275	246	49.9	3,310	500 D
1 x 185 RM	0.164	322	317	25.1	895	500 D, 1,000 D
3 x 185 SM	0.164	313	285	44.0	2,760	500 D, 1,000 D
3 x 185 + 95 SM/SM	0.164/0.320	313	285	50.0	3,040	500 D
4 x 185 SM	0.164	313	285	48.0	3,250	500 D, 1,000 D
5 x 185 SM	0.164	313	285	54.4	4,040	500 D
1 x 240 RM	0.125	375	378	26.5	1,060	500 D, 1,000 D
3 x 240 SM	0.125	364	338	52.0	3,280	500 D
3 x 240 + 120 SM/SM	0.125/0.253	364	338	53.0	3,760	500 D
4 x 240 SM	0.125	364	338	56.0	4,220	500 D
5 x 240 SM	0.125	364	338	61.3	5,290	500 D
1 x 300 RM	0.100	423	434	30.7	1,350	500 D, 1,000 D

1) basic rated current acc. to ÖVE/ÖNORM E 8200-603 (HD 603)  
Subject to technical changes.