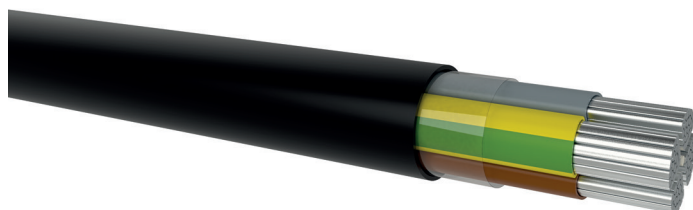


E-AY2Y-J or -O

PVC/PE Aluminum underground cable

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 foil)
- 4 | Sheath (HDPE 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– under severe mechanical stressing during installation and operation.

TECHNICAL DATA



Standard:
ÖVE/ÖNORM E 8200-603



Rated voltage:
0.6/1 kV (U₀/U)



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:
EN 60332-1-2: flame retardant
CPR classification: F_{ca}

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
E-AY2Y-J or -O						
1 x 70 RM	0.834	283	210	16.9	386	500 D, 1000 D
1 x 120 RM	0.253	389	302	21.6	540	500 D, 1000 D
1 x 240 RM	0.164	578	479	27.2	1058	1000 D
1 x 300 RM	0.1	654	550	30.1	1385	1000 D
3 x 240 + 120 SM/SM	0.125/0.254	364	338	52.0	3510	500 D
4 x 25 RE	1.2	102	81	24.2	698	500 D, 1000 D
4 x 25 RM	1.2	102	81	26.0	700	500 D, 1000 D
4 x 35 SM	0.868	122	99	24.7	748	500 D, 1000 D
4 x 50 SE	0.641	144	119	26.4	896	500 D, 1000 D
4 x 50 SM	0.641	144	119	28.0	1006	500 D, 1000 D
4 x 70 SE	0.443	178	152	31.0	1242	500 D, 1000 D
4 x 70 SM	0.443	178	152	31.2	1235	500 D, 1000 D
4 x 95 SE	0.32	215	186	33.5	1573	500 D, 1000 D
4 x 95 SM	0.32	215	186	36.5	1735	500 D, 1000 D
4 x 120 SE	0.253	245	216	41.0	1895	500 D, 1000 D
4 x 120 SM	0.253	245	216	44.5	2068	500 D, 1000 D
4 x 150 SE	0.206	275	246	41.2	2386	500 D, 1000 D

E-AY2Y-J or -O

PVC/PE Aluminum underground cable

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
E-AY2Y-J or -O						
4 x 150 SM	0.206	275	246	45.7	2716	500 D, 1000 D
4 x 185 SM	0.164	313	285	49.2	3084	500 D
4 x 240 SM	0.125	364	338	54.0	4072	500 D
4 x 300 SM	0.1	419	400	60.8	5460	500 D

Technical changes reserved. All figures are therefore without guarantee.

25.10.2022, 10:50