

E-A2Y

PE insulated overhead line

DESIGN



- 1 | Aluminium conductor with increased breaking load, round stranded compressed (RM)
- 2 | Core insulation (PE black, UV-resistant); 2 or 4 cores of equal cross section are stranded together in left-hand lay, additionally 1 or 2 cores of reduced cross section can beco-stranded

APPLICATION

Used for fixed installation as overhead power lines up to 1000 V inclusive. Not suitable for direct burial.

TECHNICAL DATA



Standard:
ÖVE/ÖNORM E 8200-626 (HD 626)



Rated voltage:
0.6/1 kV (U₀/U)



Test voltage:
3.5 kV / 50 Hz



Temperature range:
laying temperature: min. -20 °C
operating temperature: -40 °C up to 70 °C
conductor temperature: max. 70 °C
short circuit temperature: max. 120 °C/5 s



Bending radius (min.):
18 x Ø of cable (free motion)



Core identification:
1, 2 resp. 3 raised longitudinal ribs on the phase cores, the 4th core has a fine grooved surface (coverage 75%) and the type designation embossed.



Fire properties:
CPR classification: F_{ca}

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Min. breaking load of conductor strand (kN)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
E-A2Y						
2 x 16 RM	1.91	2.74	56	14.2	131	500 D, 1000 D
2 x 25 RM	1.2	4.05	80	17.8	210	500 D, 1000 D
4 x 25 RM	1.2	4.05	80	21.1	420	500 D, 1000 D
4 x 35 RM	0.868	5.6	100	24.3	533	500 D, 1000 D
4 x 50 RM	0.641	7.7	125	27.8	740	500 D, 1000 D
4 x 70 RM	0.443	10.95	160	32.0	1000	500 D, 1000 D
4 x 95 RM	0.32	15.15	185	36.9	1350	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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