

E-A2Y / E-XA2Y

PE insulated bundled 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 right-hand lay, additionally 1 or 2 cores of reduced cross section can be co-stranded

APPLICATION

Can be used for fixed installation as overhead power lines up to 1,000 V inclusive. Not suitable for direct burial.

TECHNICAL DATA



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



Rated voltage:
0.6/1 kV



Test voltage:
3.5 kV/50 Hz



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



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



Core identification:
1, 2 resp. 3 raised longitudinal ribs on the surface of the cores; the 4. core is showing fine longitudinal grooves (75 % of surface) and is printed with the type designation

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 ¹⁾ (A)	Outer diameter (mm) ca.	Total weight (kg/km) ca.	Standard lengths/ packing (m)
E-XA2Y						
2 x 16 RM	1.910	2.74	56	14.2	135	500 D, 1,000 D
4 x 16 RM	1.910	2.74	56	17.1	275	500 D, 1,000 D
E-A2Y						
2 x 25 RM	1.200	4.05	80	17.2	200	500 D, 1,000 D
4 x 25 RM	1.200	4.05	80	22.0	410	500 D, 1,000 D
4 x 35 RM	0.868	5.60	100	24.3	535	500 D, 1,000 D
4 x 50 RM	0.641	7.70	125	28.0	705	500 D, 1,000 D
4 x 50 + 25 RM/RM	0.641/1.200	7.70/4.05	125/80	30.0	830	500 D, 1,000 D
4 x 70 RM	0.443	10.95	160	31.0	955	500 D, 1,000 D
4 x 70 + 25 RM/RM	0.443/1.200	10.95/4.05	160/80	33.8	1,090	500 D, 1,000 D
4 x 95 RM	0.320	15.15	185	36.0	1,280	500 D, 1,000 D
4 x 95 + 25 RM/RM	0.320/1.200	15.15/4.05	185/80	39.0	1,400	500 D, 1,000 D

1) basic rated current acc. to ÖVE/ÖNORM E 8200-626
Subject to technical changes.