

E-A2Y / E-XA2Y

PE insulated bundled overhead line

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

Usage:

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



Construction:

- 1 Aluminium conductor with increased breaking load, round stranded compacted (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



Rated voltage: 0.6/1 kV



Test voltage: 3500 Veff



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 core-Ø



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.	Metal weight (kg/km)	Total weight (kg/km) ca.	Standard lengths/packing (m)
E-XA2Y							
2 x 16 RM	1.910	64	2.74	14.2	94	131	500 T, 1000 T
4 x 16 RM	1.910	64	2.74	17.1	188	271	500 T, 1000 T
E-A2Y							
2 x 25 RM	1.200	94	4.5	17.2	147	197	500 T, 1000 T
4 x 25 RM	1.200	94	4.5	22.0	294	407	500 T, 1000 T
4 x 35 RM	0.868	113	5.60	24.3	412	533	500 T, 1000 T
4 x 50 RM	0.641	140	7.70	28.0	588	705	500 T, 1000 T
4 x 50 + 25 RM/RM	0.641/1.200	140/94	7.70/4.05	30.0	662	827	500 T, 1000 T
4 x 70 RM	0.443	178	10.95	31.0	823	955	500 T, 1000 T
4 x 70 + 25 RM/RM	0.443/1.201	178/94	10.95/4.05	36.0	897	1,088	500 T, 1000 T
4 x 95 RM	0.320	220	15.15	36.0	1,117	1,280	500 T, 1000 T
4 x 95 + 25 RM/RM	0.320/1.202	220/94	15.15/4.05	39.0	1,191	1,398	500 T, 1000 T

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