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INSULATED OVERHEADLINES

# E-A2Y

PE insulated bundled overhead line



## TECHNICAL DATA



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



**Test Voltage**  
3,5 kV / 50 Hz



**Rated Voltage**  
0.6/1 kV



**Bending radius (min.)**  
18 x  $\varnothing$  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



**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

## DESIGN



1

Aluminium conductor, round stranded (RM)

2

Core insulation (PE black, UV-resistant)

| Number of cores x nominal cross-section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|-------------------------------|---------------------------|----------------------------|
| 2 x 16 RM                                                  | 1.91                             | 56                            | 14.2                      | 131                        |
| 2 x 25 RM                                                  | 1.2                              | 80                            | 17.9                      | 210                        |
| 4 x 25 RM                                                  | 1.2                              | 80                            | 21.5                      | 410                        |
| 4 x 35 RM                                                  | 0.868                            | 100                           | 24.1                      | 522                        |
| 4 x 50 RM                                                  | 0.641                            | 125                           | 28.1                      | 702                        |
| 4 x 70 RM                                                  | 0.443                            | 160                           | 31.9                      | 958                        |
| 4 x 95 RM                                                  | 0.32                             | 185                           | 37.2                      | 1308                       |

**CONTACT PERSON**

**Dogan Özcan**  
 Head of Technical Department  
 +43 (0) 1 70170-154  
 dogan.oezcan@skw.at

