

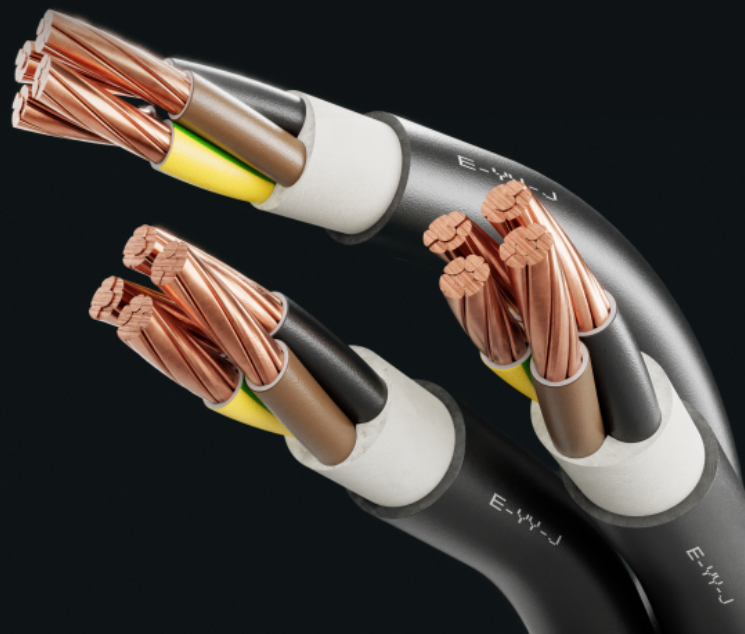


# E-YY-J oder -O

## PVC/PVC Kupfer Energiekabel

COPPER 0,6/1 kV

Energieverteilungskabel in Kraftwerken, Industrieanlagen und Verteilungseinrichtungen sowie in Ortsnetzen. Für die feste Verlegung im Erdreich, in Innenräumen, in Kabelkanälen, im Freien und im Wasser – entsprechend den örtlichen Bauvorschriften – unter starker mechanischer Beanspruchung bei der Verlegung und im Betrieb.



### TECHNISCHE DATEN



#### Norm

ÖVE/ONORM E 8200–603 (HD 603)  
ÖVE/ÖNORM E 8200–627 (HD627) für  
Multicore (6–61x)



#### Prüfzeichen

ÖVE Austria



#### Prüfspannung

Ader/Ader 4 kV / 50 Hz



#### Nennspannung

0,6/1 kV



#### Biegeradius am Leiter (min.)

12 x Ø des Kabels (multicore)  
15 x Ø des Kabels (singlecore)



#### Brandeigenschaften

EN 60332–1–2: selbstverlöschend  
CPR-Klassifizierung: Eca



#### Aderkennzeichnung

HD 308 S2



#### Temperaturbereich

Verlegungstemperatur: min. –5°C  
Betriebstemperatur: –50°C bis zu 70°C  
Leitertemperatur: max. 70°C  
Kurzschlussstemperatur: max. 160°C

### AUFBAU



- 1 Kupferleiter, rund eindrätig (RE), rund mehrdrätig (RM) bzw. sektorförmig mehrdrätig (SM)
- 2 Aderisolation (PVC)
- 3 Aderumhüllung (Gummi oder Kunststoffband)
- 4 Mantel (PVC schwarz, UV-beständig)

| Aderanzahl x Nennquerschnitt (mm <sup>2</sup> ) | Max. Leiterwiderstand (Ω/km) | Strombelastbarkeit Erde (A) | Strombelastbarkeit Luft (A) | Außendurchmesser ca. (mm) | Gesamtgewicht ca. (kg/km) |
|-------------------------------------------------|------------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|
| 1 x 16 RE                                       | 1.15                         | 107                         | 84                          | 10.1                      | 232                       |
| 1 x 16 RM                                       | 1.15                         | 107                         | 84                          | 10.4                      | 239                       |
| 1 x 25 RM                                       | 0.727                        | 138                         | 114                         | 11.9                      | 345                       |
| 1 x 35 RM                                       | 0.524                        | 164                         | 139                         | 13                        | 444                       |
| 1 x 50 RM                                       | 0.387                        | 195                         | 169                         | 14.6                      | 582                       |
| 1 x 70 RM                                       | 0.268                        | 238                         | 213                         | 16.4                      | 789                       |
| 1 x 95 RM                                       | 0.193                        | 286                         | 264                         | 18.5                      | 1060                      |
| 1 x 120 RM                                      | 0.153                        | 325                         | 307                         | 19.8                      | 1293                      |
| 1 x 150 RM                                      | 0.124                        | 365                         | 352                         | 21.7                      | 1578                      |
| 1 x 185 RM                                      | 0.0991                       | 413                         | 406                         | 24.2                      | 1971                      |
| 1 x 240 RM                                      | 0.0754                       | 479                         | 483                         | 27                        | 2540                      |
| 1 x 300 RM                                      | 0.0601                       | 539                         | 552                         | 29.6                      | 3142                      |
| 1 x 400 RM                                      | 0.047                        | 614                         | 646                         | 33.2                      | 3968                      |
| 1 x 500 RM                                      | 0.0366                       | 693                         | 747                         | 37.1                      | 5054                      |
| 1 x 630 RM                                      | 0.0283                       | 740                         | 840                         | 40.9                      | 6401                      |
| 2 x 1.5 RE                                      | 12.1                         | 32                          | 20                          | 10                        | 147                       |
| 2 x 2.5 RE                                      | 7.41                         | 42                          | 27                          | 10.7                      | 182                       |
| 2 x 4 RE                                        | 4.61                         | 54                          | 37                          | 12.4                      | 251                       |
| 2 x 6 RE                                        | 3.08                         | 68                          | 48                          | 13.4                      | 312                       |
| 2 x 10 RE                                       | 1.83                         | 90                          | 66                          | 15.4                      | 445                       |
| 2 x 16 RE                                       | 1.16                         | 116                         | 89                          | 17                        | 590                       |
| 2 x 25 RM                                       | 0.727                        | 132                         | 105                         | 19.5                      | 1100                      |
| 2 x 35 RM                                       | 0.524                        | 159                         | 129                         | 24.4                      | 1250                      |
| 3 x 1.5 RE                                      | 12.1                         | 27                          | 19.5                        | 10.4                      | 167                       |
| 3 x 2.5 RE                                      | 7.41                         | 36                          | 25                          | 11.2                      | 211                       |
| 3 x 4 RE                                        | 4.61                         | 46                          | 34                          | 13                        | 295                       |
| 3 x 6 RE                                        | 3.08                         | 58                          | 43                          | 14.1                      | 372                       |
| 3 x 10 RE                                       | 1.83                         | 78                          | 59                          | 16.2                      | 543                       |
| 3 x 16 RM                                       | 1.15                         | 101                         | 78                          | 18.7                      | 780                       |
| 3 x 16 RE                                       | 1.15                         | 101                         | 78                          | 18.2                      | 754                       |
| 3 x 25 RM                                       | 0.727                        | 132                         | 105                         | 22.1                      | 1151                      |
| 3 x 25 + 16 RM/RE                               | 0.727                        | 132                         | 105                         | 23.2                      | 1308                      |
| 3 x 35 SM                                       | 0.524                        | 159                         | 129                         | 24.3                      | 1443                      |
| 3 x 35 + 16 SM/RE                               | 0.524                        | 159                         | 129                         | 24.7                      | 1514                      |
| 3 x 50 SM                                       | 0.387                        | 188                         | 157                         | 25.3                      | 1660                      |
| 3 x 50 + 25 SM/RM                               | 0.387                        | 188                         | 157                         | 28.1                      | 1948                      |
| 3 x 70 SM                                       | 0.268                        | 232                         | 199                         | 28.1                      | 2267                      |
| 3 x 70 + 35 SM/RM                               | 0.268                        | 232                         | 199                         | 30.9                      | 2642                      |
| 3 x 95 SM                                       | 0.193                        | 280                         | 246                         | 31.5                      | 3069                      |
| 3 x 95 + 50 SM/RM                               | 0.193                        | 280                         | 246                         | 36.4                      | 3621                      |
| 3 x 120 SM                                      | 0.153                        | 318                         | 285                         | 34                        | 3774                      |
| 3 x 120 + 70 SM/RM                              | 0.153                        | 318                         | 285                         | 39.2                      | 4525                      |
| 3 x 150 SM                                      | 0.124                        | 359                         | 326                         | 38                        | 4665                      |
| 3 x 150 + 70 SM/RM                              | 0.124                        | 359                         | 326                         | 43.9                      | 5390                      |
| 3 x 185 SM                                      | 0.0991                       | 406                         | 374                         | 41.6                      | 5775                      |
| 3 x 185 + 95 SM/RM                              | 0.0991                       | 406                         | 374                         | 49.5                      | 6860                      |
| 3 x 240 SM                                      | 0.0754                       | 473                         | 445                         | 47.2                      | 7564                      |
| 3 x 240 + 120 SM/RM                             | 0.0754                       | 473                         | 445                         | 55.1                      | 8803                      |
| 3 x 300 + 150 SM/RM                             | 0.0601                       | 535                         | 510                         | 61.8                      | 11017                     |
| 4 x 1.5 RE                                      | 12.1                         | 27                          | 19.5                        | 11.1                      | 194                       |
| 4 x 2.5 RE                                      | 7.41                         | 36                          | 25                          | 12.1                      | 249                       |
| 4 x 4 RE                                        | 4.61                         | 46                          | 34                          | 14                        | 351                       |



| Aderanzahl x Nennquerschnitt (mm <sup>2</sup> ) | Max. Leiterwiderstand (Ω/km) | Strombelastbarkeit Erde (A) | Strombelastbarkeit Luft (A) | Außendurchmesser ca. (mm) | Gesamtgewicht ca. (kg/km) |
|-------------------------------------------------|------------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|
| 4 x 6 RE                                        | 3.08                         | 58                          | 43                          | 15.2                      | 448                       |
| 4 x 10 RE                                       | 1.83                         | 78                          | 59                          | 17.6                      | 662                       |
| 4 x 10 RM                                       | 1.83                         | 78                          | 59                          | 18.1                      | 685                       |
| 4 x 16 RE                                       | 1.15                         | 101                         | 78                          | 19.8                      | 929                       |
| 4 x 16 RM                                       | 1.15                         | 101                         | 78                          | 20.4                      | 960                       |
| 4 x 25 RM                                       | 0.727                        | 132                         | 105                         | 24.5                      | 1450                      |
| 4 x 35 SM                                       | 0.524                        | 159                         | 129                         | 24.3                      | 1639                      |
| 4 x 50 SM                                       | 0.387                        | 188                         | 157                         | 28.1                      | 2173                      |
| 4 x 70 SM                                       | 0.268                        | 232                         | 199                         | 30.9                      | 2969                      |
| 4 x 95 SM                                       | 0.193                        | 280                         | 246                         | 36.4                      | 4081                      |
| 4 x 120 SM                                      | 0.153                        | 318                         | 285                         | 39.2                      | 5022                      |
| 4 x 150 SM                                      | 0.124                        | 359                         | 326                         | 43.9                      | 6158                      |
| 4 x 185 SM                                      | 0.0991                       | 406                         | 374                         | 49.5                      | 7733                      |
| 4 x 240 SM                                      | 0.0754                       | 473                         | 445                         | 55.1                      | 10002                     |
| 7 x 1.5 RE                                      | 12.1                         | 16                          | 12.5                        | 13.2                      | 291                       |
| 12 x 1.5 RE                                     | 12.1                         | 12                          | 9.5                         | 16.5                      | 451                       |
| 10 x 1.5 RE                                     | 12.1                         | 13.5                        | 10.5                        | 16.1                      | 412                       |
| 14 x 1.5 RE                                     | 12.1                         | 12                          | 9.5                         | 17.2                      | 499                       |
| 19 x 1.5 RE                                     | 12.1                         | 11                          | 9                           | 18.9                      | 623                       |
| 24 x 1.5 RE                                     | 12.1                         | 9.5                         | 8                           | 21.8                      | 795                       |
| 30 x 1.5 RE                                     | 12.1                         | 8                           | 7                           | 22.9                      | 918                       |
| 37 x 1.5 RE                                     | 12.1                         | 8                           | 7                           | 25                        | 1106                      |
| 40 x 1.5                                        | 12.1                         | 8                           | 7                           | 25.9                      | 1183                      |
| 44 x 1.5 RE                                     | 12.1                         | 7                           | 6                           | 27.9                      | 1332                      |
| 48 x 1.5 RE                                     | 12.1                         | 7                           | 6                           | 28.3                      | 1404                      |
| 7 x 2.5 RE                                      | 7.41                         | 21.5                        | 17                          | 14.4                      | 379                       |
| 10 x 2.5 RE                                     | 7.41                         | 18                          | 14.5                        | 17.6                      | 541                       |
| 12 x 2.5 RE                                     | 7.41                         | 16                          | 13                          | 18.1                      | 599                       |
| 14 x 2.5 RE                                     | 7.41                         | 16                          | 13                          | 18.9                      | 667                       |
| 19 x 2.5 RE                                     | 7.41                         | 14.5                        | 11.5                        | 20.8                      | 843                       |
| 24 x 2.5 RE                                     | 7.41                         | 12.5                        | 10.5                        | 24.5                      | 1103                      |
| 30 x 2.5 RE                                     | 7.41                         | 11                          | 9                           | 25.8                      | 1283                      |
| 37 x 2.5 RE                                     | 7.41                         | 11                          | 9                           | 27.7                      | 1521                      |
| 40 x 2.5 RE                                     | 7.41                         | 11                          | 9                           | 28.8                      | 1630                      |
| 48 x 2.5 RE                                     | 7.41                         | 9                           | 8                           | 31.4                      | 1941                      |
| 7 x 4 RE                                        | 4.61                         | 27.5                        | 22                          | 16.8                      | 542                       |
| 10 x 4 RE                                       | 4.61                         | 23                          | 18.5                        | 20.9                      | 784                       |
| 12 x 4 RE                                       | 4.61                         | 20.5                        | 17                          | 21.5                      | 872                       |
| 14 x 4 RE                                       | 4.61                         | 20.5                        | 17                          | 22.6                      | 975                       |
| 19 x 4 RE                                       | 4.61                         | 18.5                        | 15.5                        | 25.4                      | 1267                      |
| 24 x 4 RE                                       | 4.61                         | 16                          | 13.5                        | 29.4                      | 1629                      |
| 30 x 4 RE                                       | 4.61                         | 14                          | 13.5                        | 31.1                      | 1904                      |
| 37 x 4 RE                                       | 4.61                         | 14                          | 13.5                        | 33.5                      | 2269                      |
| 7 x 6 RE                                        | 3.08                         | 35                          | 28                          | 18.3                      | 701                       |
| 5 x 1.5 RE                                      | 12.1                         | 19                          | 19.5                        | 12                        | 224                       |
| 5 x 2.5 RE                                      | 7.41                         | 25                          | 25                          | 13                        | 289                       |
| 5 x 4 RE                                        | 4.61                         | 32                          | 34                          | 15.2                      | 412                       |
| 5 x 6 RE                                        | 3.08                         | 41                          | 43                          | 16.5                      | 530                       |
| 5 x 10 RE                                       | 1.83                         | 55                          | 59                          | 19.2                      | 795                       |
| 5 x 10 RM                                       | 1.83                         | 55                          | 59                          | 19.8                      | 822                       |
| 5 x 16 RE                                       | 1.15                         | 71                          | 78                          | 21.7                      | 1125                      |
| 5 x 16 RM                                       | 1.15                         | 71                          | 78                          | 22.3                      | 1161                      |



| Aderanzahl x Nennquerschnitt (mm <sup>2</sup> ) | Max. Leiterwiderstand (Ω/km) | Strombelastbarkeit Erde (A) | Strombelastbarkeit Luft (A) | Außendurchmesser ca. (mm) | Gesamtgewicht ca. (kg/km) |
|-------------------------------------------------|------------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|
| 5 x 25 RM                                       | 0.727                        | 132                         | 105                         | 26.9                      | 1757                      |
| 5 x 35 RM                                       | 0.524                        | 159                         | 123                         | 29.3                      | 2190                      |
| 5 x 50 RM                                       | 0.387                        | 188                         | 157                         | 29.4                      | 2673                      |
| 5 x 50 SM                                       | 0.387                        | 188                         | 157                         | 30                        | 2629                      |
| 5 x 70 RM                                       | 0.268                        | 232                         | 199                         | 34.8                      | 3720                      |
| 5 x 70 SM                                       | 0.268                        | 232                         | 199                         | 32                        | 3664                      |
| 5 x 95 RM                                       | 0.193                        | 280                         | 246                         | 38.6                      | 5056                      |
| 5 x 95 SM                                       | 0.193                        | 280                         | 246                         | 40.8                      | 4990                      |
| 5 x 120 RM                                      | 0.153                        | 318                         | 285                         | 43.3                      | 6235                      |
| 5 x 120 SM                                      | 0.153                        | 318                         | 285                         | 40.1                      | 6167                      |
| 5 x 150 RM                                      | 0.124                        | 359                         | 326                         | 54.4                      | 7921                      |
| 5 x 150 SM                                      | 0.124                        | 359                         | 326                         | 48.3                      | 7850                      |
| 5 x 185 RM                                      | 0.0991                       | 406                         | 374                         | 55.2                      | 9682                      |
| 5 x 185 SM                                      | 0.0991                       | 406                         | 374                         | 54.1                      | 9617                      |
| 5 x 240 RM                                      | 0.0754                       | 473                         | 445                         | 68                        | 14172                     |
| 5 x 240 SM                                      | 0.0754                       | 473                         | 445                         | 68                        | 14120                     |
| -                                               | -                            | -                           | -                           | -                         | -                         |

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