



# E-YY

## PVC/PVC copper energy cables

LOW VOLTAGE CABLES 0,6/1 kV

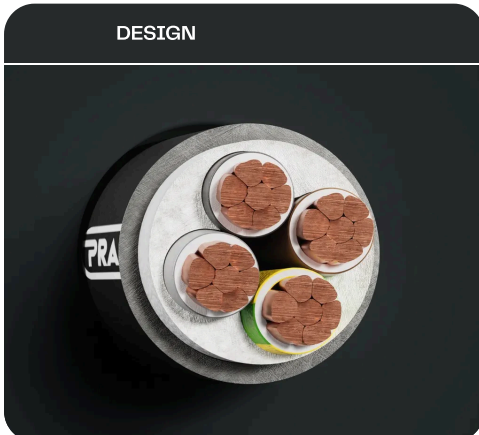
Power distribution cable for power stations, industrial facilities and switching stations as well as for local power networks. For fixed installation indoors, in cable ducts, outdoors and in water, according to the applicable erection standards, if no risk of any mechanical damage is to be expected.



### TECHNICAL DATA

|                                                                                                                                                                                            |                                                                                                                                                                                 |                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Standard</b><br>ÖVE/ONORM E 8200-603 (HD 603)<br>ÖVE/ÖNORM E 8200-627 (HD627) for multi-core (6-61x) |  <b>Rated Voltage</b><br>0,6/1 kV                                                            |  <b>Core identification</b><br>HD 308 S2                                                                                                                                           |
|  <b>Certificate</b><br>ÖVE Austria                                                                       |  <b>Bending radius (min.)</b><br>12 x Ø of cable (multicore)<br>15 x Ø of cable (singlecore) |  <b>Temperature range</b><br>Laying temperature: min. -5°C<br>Operating temperature: -50°C up to 70°C<br>Conductor temperature: max. 70°C<br>Short circuit temperature: max. 140°C |
|  <b>Test Voltage</b><br>core/core 4 kV / 50 Hz                                                           |  <b>Fire properties</b><br>EN 60332-1-2: self-extinguishing<br>CPR classification: Eca       |                                                                                                                                                                                                                                                                         |

### DESIGN



- 1 Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
- 2 Core insulation (PVC)
- 3 Inner covering (EPDM or plastic tape)
- 4 Sheath (PVC black, UV-resistant)

| Number of cores x nominal cross-section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Current rating in the earth (A) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|
| 2 x 1.5 RE                                                 | 12.1                             | 32                              | 20                            | 10                        | 147                        |
| 3 x 1.5 RE                                                 | 12.1                             | 27                              | 19.5                          | 10.4                      | 167                        |
| 4 x 1.5 RE                                                 | 12.1                             | 27                              | 19.5                          | 11.1                      | 194                        |
| 5 x 1.5 RE                                                 | 12.1                             | 19                              | 19.5                          | 12                        | 224                        |
| 7 x 1.5 RE                                                 | 12.1                             | 16                              | 12.5                          | 13.2                      | 291                        |
| 10 x 1.5 RE                                                | 12.1                             | 13.5                            | 10.5                          | 16.1                      | 412                        |
| 12 x 1.5 RE                                                | 12.1                             | 12                              | 9.5                           | 16.5                      | 451                        |
| 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 RE                                                | 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                       |
| 2 x 2.5 RE                                                 | 7.41                             | 42                              | 27                            | 10.7                      | 182                        |
| 3 x 2.5 RE                                                 | 7.41                             | 36                              | 25                            | 11.2                      | 211                        |
| 4 x 2.5 RE                                                 | 7.41                             | 36                              | 25                            | 12.1                      | 249                        |
| 5 x 2.5 RE                                                 | 7.41                             | 25                              | 25                            | 13                        | 289                        |
| 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                       |
| 2 x 4 RE                                                   | 4.61                             | 54                              | 37                            | 12.4                      | 251                        |
| 3 x 4 RE                                                   | 4.61                             | 46                              | 34                            | 13                        | 295                        |
| 4 x 4 RE                                                   | 4.61                             | 46                              | 34                            | 14                        | 351                        |
| 5 x 4 RE                                                   | 4.61                             | 32                              | 34                            | 15.2                      | 412                        |
| 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                       |
| 2 x 6 RE                                                   | 3.08                             | 68                              | 48                            | 13.4                      | 312                        |
| 3 x 6 RE                                                   | 3.08                             | 58                              | 43                            | 14.1                      | 372                        |
| 4 x 6 RE                                                   | 3.08                             | 58                              | 43                            | 15.2                      | 448                        |
| 5 x 6 RE                                                   | 3.08                             | 41                              | 43                            | 16.5                      | 530                        |
| 7 x 6 RE                                                   | 3.08                             | 35                              | 28                            | 18.3                      | 701                        |
| 2 x 10 RE                                                  | 1.83                             | 90                              | 66                            | 15.4                      | 445                        |
| 3 x 10 RE                                                  | 1.83                             | 78                              | 59                            | 16.2                      | 543                        |
| 4 x 10 RE                                                  | 1.83                             | 78                              | 59                            | 17.6                      | 662                        |
| 4 x 10 RM                                                  | 1.83                             | 78                              | 59                            | 18.1                      | 685                        |
| 5 x 10 RE                                                  | 1.83                             | 55                              | 59                            | 19.2                      | 795                        |
| 5 x 10 RM                                                  | 1.83                             | 55                              | 59                            | 19.8                      | 822                        |



| Number of cores x nominal cross-section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Current rating in the earth (A) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|
| 1 x 16 RE                                                  | 1.15                             | 107                             | 84                            | 10.1                      | 232                        |
| 1 x 16 RM                                                  | 1.15                             | 107                             | 84                            | 10.4                      | 239                        |
| 3 x 16 RE                                                  | 1.15                             | 101                             | 78                            | 18.2                      | 754                        |
| 3 x 16 RM                                                  | 1.15                             | 101                             | 78                            | 18.7                      | 780                        |
| 4 x 16 RE                                                  | 1.15                             | 101                             | 78                            | 19.8                      | 929                        |
| 4 x 16 RM                                                  | 1.15                             | 101                             | 78                            | 20.4                      | 960                        |
| 5 x 16 RE                                                  | 1.15                             | 71                              | 78                            | 21.7                      | 1125                       |
| 5 x 16 RM                                                  | 1.15                             | 71                              | 78                            | 22.3                      | 1161                       |
| 1 x 25 RM                                                  | 0.727                            | 138                             | 114                           | 11.9                      | 345                        |
| 3 x 25 RM                                                  | 0.727                            | 132                             | 105                           | 22.1                      | 1151                       |
| 3 x 25 + 16 RM/RE                                          | 0.727                            | 132                             | 105                           | 23.2                      | 1308                       |
| 4 x 25 RM                                                  | 0.727                            | 132                             | 105                           | 24.5                      | 1450                       |
| 5 x 25 RM                                                  | 0.727                            | 132                             | 105                           | 26.9                      | 1757                       |
| 1 x 35 RM                                                  | 0.524                            | 164                             | 139                           | 13                        | 444                        |
| 3 x 35 SM                                                  | 0.524                            | 159                             | 129                           | 24.3                      | 1443                       |
| 3 x 35 + 16 SM/RE                                          | 0.524                            | 159                             | 129                           | 24.7                      | 1514                       |
| 4 x 35 SM                                                  | 0.524                            | 159                             | 129                           | 24.3                      | 1639                       |
| 1 x 50 RM                                                  | 0.387                            | 195                             | 169                           | 14.6                      | 582                        |
| 3 x 50 SM                                                  | 0.387                            | 188                             | 157                           | 25.3                      | 1660                       |
| 3 x 50 + 25 SM/RM                                          | 0.387 / 0.727                    | 188                             | 157                           | 28.1                      | 1948                       |
| 4 x 50 SM                                                  | 0.387                            | 188                             | 157                           | 28.1                      | 2173                       |
| 5 x 50 RM                                                  | 0.387                            | 188                             | 157                           | 29.4                      | 2673                       |
| 1 x 70 RM                                                  | 0.268                            | 238                             | 213                           | 16.4                      | 789                        |
| 3 x 70 SM                                                  | 0.268                            | 232                             | 199                           | 28.1                      | 2267                       |
| 3 x 70 + 35 SM/RM                                          | 0.268 / 0.524                    | 232                             | 199                           | 30.9                      | 2642                       |
| 4 x 70 SM                                                  | 0.268                            | 232                             | 199                           | 30.9                      | 2969                       |
| 5 x 70 RM                                                  | 0.268                            | 232                             | 199                           | 34.8                      | 3720                       |
| 1 x 95 RM                                                  | 0.193                            | 286                             | 264                           | 18.5                      | 1060                       |
| 3 x 95 SM                                                  | 0.193                            | 280                             | 246                           | 31.5                      | 3069                       |
| 3 x 95 + 50 SM/RM                                          | 0.193 / 0.268                    | 280                             | 246                           | 36.4                      | 3621                       |
| 4 x 95 SM                                                  | 0.193                            | 280                             | 246                           | 36.4                      | 4081                       |
| 5 x 95 RM                                                  | 0.193                            | 280                             | 246                           | 38.6                      | 5056                       |
| 1 x 120 RM                                                 | 0.153                            | 325                             | 307                           | 19.8                      | 1293                       |
| 3 x 120 SM                                                 | 0.153                            | 318                             | 285                           | 34                        | 3774                       |
| 3 x 120 + 70 SM/RM                                         | 0.153 / 0.268                    | 318                             | 285                           | 39.2                      | 4525                       |
| 4 x 120 SM                                                 | 0.153                            | 318                             | 285                           | 39.2                      | 5022                       |
| 5 x 120 RM                                                 | 0.153                            | 318                             | 285                           | 43.3                      | 6235                       |
| 1 x 150 RM                                                 | 0.124                            | 365                             | 352                           | 21.7                      | 1578                       |
| 3 x 150 SM                                                 | 0.124                            | 359                             | 326                           | 38                        | 4665                       |
| 3 x 150 + 70 SM/RM                                         | 0.124 / 0.268                    | 359                             | 326                           | 43.9                      | 5390                       |
| 4 x 150 SM                                                 | 0.124                            | 359                             | 326                           | 43.9                      | 6158                       |
| 5 x 150 SM                                                 | 0.124                            | 359                             | 326                           | 48.3                      | 7734                       |
| 1 x 185 RM                                                 | 0.0991                           | 413                             | 406                           | 24.2                      | 1971                       |
| 3 x 185 SM                                                 | 0.0991                           | 406                             | 374                           | 41.6                      | 5775                       |
| 3 x 185 + 95 SM/RM                                         | 0.0991 / 0.193                   | 406                             | 374                           | 49.5                      | 6860                       |
| 4 x 185 SM                                                 | 0.0991                           | 406                             | 374                           | 49.5                      | 7733                       |
| 5 x 185 SM                                                 | 0.0991                           | 406                             | 374                           | 54.1                      | 9617                       |
| 1 x 240 RM                                                 | 0.0754                           | 479                             | 483                           | 27                        | 2540                       |
| 3 x 240 SM                                                 | 0.0754                           | 473                             | 445                           | 47.2                      | 7564                       |
| 3 x 240 + 120 SM/RM                                        | 0.0754 / 0.153                   | 473                             | 445                           | 55.1                      | 8803                       |
| 4 x 240 SM                                                 | 0.0754                           | 473                             | 445                           | 55.1                      | 10002                      |
| 1 x 300 RM                                                 | 0.0601                           | 539                             | 552                           | 29.6                      | 3142                       |



| Number of cores x nominal cross-section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Current rating in the earth (A) | Current rating in the air (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|---------------------------------|-------------------------------|---------------------------|----------------------------|
| 3 x 300 + 150 SM/RM                                        | 0.0601 / 0.124                   | 535                             | 510                           | 61.8                      | 11017                      |
| 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                       |

## CONTACT PERSON

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