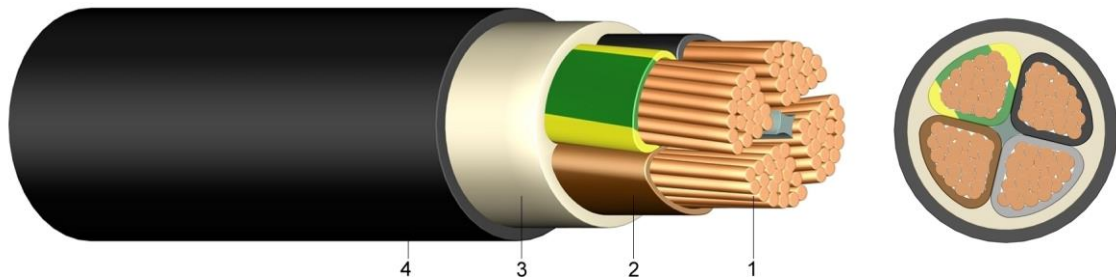


## E-YY

## PVC-isolierte Starkstromkabel 0,6/1kV ein- und mehrdrätig

### Verwendung:

Als Energiekabel für feste Verlegung, vorzugsweise in Kabelkanälen und Innenräumen, im Freien, im Wasser, in Erde, wenn keine nachträglichen Beschädigungen zu erwarten sind.



### Aufbau:

- 1 ..... Kupferleiter, blank, ein-(RE) oder mehrdrätig(RM/SM)
- 2 ..... Aderisolation aus Polyvinylchlorid (PVC)
- 3 ..... PVC - Füllmantel oder Bänderung
- 4 ..... Außenmantel aus Polyvinylchlorid (PVC), schwarz (UV-beständig)

### Info:

Kurzschluss temperatur am Leiter (max. 5 sec.)  
 $\leq 300 \text{ mm}^2 \rightarrow 160^\circ\text{C}$   
 $> 300 \text{ mm}^2 \rightarrow 140^\circ\text{C}$

### Normen:

nach ÖVE-K 603  
DIN EN 60228 Klasse 1 und 2 (Leiteraufbau)  
HD 308 S2 (Aderkennzeichnung)

### Technische Daten:

Nennspannung  $U_0/U$   
Prüfspannung  
Temperaturbereich

[V]

[V]<sub>AC</sub>

600 / 1000 Volt

4000

-5°C bis +70°C

-20°C bis +70°C

Biegeradius

bei der Verlegung

Betriebstemperatur

einadrige Ausführung

mehradrige Ausführung

Norm

x DA

x DA

15

12

EN 60332-1-2

| Aderzahl und<br>Nennquerschnitt | lagernd | lagernd | Kupferzahl | Außen-<br>durchm. | Gewicht        | Belast-<br>barkeit<br>Erde | Belast-<br>barkeit<br>Luft |
|---------------------------------|---------|---------|------------|-------------------|----------------|----------------------------|----------------------------|
| mm <sup>2</sup>                 | J       | O       | kg/km      | ca. mm            | ca.<br>kg / km | A                          | A                          |
| 1 x 16 RE                       | ●       | ●       | 160        | 11                | 233            | 107                        | 84                         |
| 1 x 25 RM                       | ●       | ●       | 250        | 12                | 370            | 138                        | 114                        |
| 1 x 35 RM                       | ●       | ●       | 350        | 14                | 480            | 164                        | 139                        |
| 1 x 50 RM                       | ●       | ●       | 500        | 16                | 640            | 195                        | 169                        |
| 1 x 70 RM                       | ●       | ●       | 700        | 17                | 850            | 238                        | 213                        |
| 1 x 95 RM                       | ●       | ●       | 950        | 19                | 1.120          | 286                        | 264                        |
| 1 x 120 RM                      | ●       | ●       | 1.200      | 21                | 1.375          | 325                        | 307                        |
| 1 x 150 RM                      | ●       | ●       | 1.500      | 23                | 1.660          | 365                        | 352                        |
| 1 x 185 RM                      | ●       | ●       | 1.850      | 25                | 2.050          | 413                        | 406                        |
| 1 x 240 RM                      | ●       | ●       | 2.400      | 28                | 2.634          | 479                        | 483                        |
| 1 x 300 RM                      | ●       | ●       | 3.000      | 30                | 3.295          | 541                        | 557                        |
| 1 x 400 RM                      |         | ●       | 4.000      | 32                | 4.231          | 614                        | 646                        |
| 1 x 500 RM                      |         | ●       | 5.000      | 34                | 5.284          | 693                        | 747                        |
| 1 x 630 RM                      |         | ○       | 6.300      | 42                | 6.850          | 777                        | 858                        |

| Aderzahl und<br>Nennquerschnitt | lagernd | lagernd | Kupferzahl | Außen-<br>durchm. | Gewicht        | Belast-<br>barkeit<br>Erde | Belast-<br>barkeit<br>Luft |
|---------------------------------|---------|---------|------------|-------------------|----------------|----------------------------|----------------------------|
| mm²                             | J       | O       | kg/km      | ca. mm            | ca.<br>kg / km | A                          | A                          |
| 2 x 1,5 RE                      |         | ●       | 30         | 11                | 220            | 27                         | 20                         |
| 2 x 2,5 RE                      |         | ●       | 50         | 12                | 267            | 36                         | 25                         |
| 2 x 4 RE                        |         | ●       | 80         | 14                | 342            | 47                         | 34                         |
| 2 x 6 RE                        |         | ●       | 120        | 15                | 412            | 59                         | 43                         |
| 2 x 10 RE                       |         | ●       | 200        | 16                | 510            | 79                         | 59                         |
| 2 x 16 RM                       |         | ●       | 320        | 18                | 670            | 102                        | 79                         |
| 3 x 1,5 RE                      | ●       | ●       | 45         | 11                | 244            | 27                         | 20                         |
| 3 x 2,5 RE                      | ●       | ●       | 75         | 12                | 294            | 36                         | 25                         |
| 3 x 4 RE                        | ●       | ●       | 120        | 14                | 393            | 47                         | 34                         |
| 3 x 6 RE                        | ●       | ●       | 180        | 15                | 481            | 59                         | 43                         |
| 3 x 10 RE                       | ●       | ●       | 300        | 16                | 645            | 79                         | 59                         |
| 3 x 16 RE                       | ●       | ○       | 480        | 18                | 872            | 102                        | 79                         |
| 3 x 16 RM                       | ●       | ●       | 480        | 19                | 872            | 102                        | 79                         |
| 3 x 25 RM                       | ●       | ●       | 750        | 21                | 1.350          | 133                        | 106                        |
| 3 x 35 SM                       | ●       | ●       | 1.050      | 22                | 1.460          | 159                        | 129                        |
| 3 x 50 SM                       | ●       | ●       | 1.500      | 26                | 1.750          | 188                        | 157                        |
| 3 x 70 SM                       | ○       | ○       | 2.100      | 29                | 2.400          | 232                        | 199                        |
| 3 x 95 SM                       | ○       | ○       | 2.850      | 33                | 3.560          | 280                        | 246                        |
| 3 x 120 SM                      | ○       | ○       | 3.600      | 37                | 4.310          | 318                        | 285                        |
| 3 x 150 SM                      | ○       | ○       | 4.500      | 41                | 5.310          | 359                        | 326                        |
| 3 x 185 SM                      | ○       | ○       | 5.550      | 47                | 6.630          | 406                        | 374                        |
| 3 x 240 SM                      |         | ○       | 7.200      | 52                | 8.480          | 473                        | 445                        |
| 3 x 25/16 RM/RE                 | ●       | ○       | 910        | 22                | 1.513          | 133                        | 106                        |
| 3 x 35/16 SM/RE                 | ●       | ●       | 1.210      | 23                | 1.804          | 159                        | 129                        |
| 3 x 50/25 SM/RM                 | ●       | ●       | 1.750      | 28                | 2.349          | 188                        | 157                        |
| 3 x 70/35 SM                    | ●       | ●       | 2.450      | 32                | 3.117          | 232                        | 199                        |
| 3 x 95/50 SM                    | ●       | ●       | 3.350      | 36                | 4.167          | 280                        | 246                        |
| 3 x 120/70 SM                   | ●       | ●       | 4.300      | 39                | 5.190          | 318                        | 285                        |
| 3 x 150/70 SM                   | ●       | ●       | 5.200      | 43                | 6.161          | 359                        | 326                        |
| 3 x 185/95 SM                   | ●       | ○       | 6.500      | 50                | 7.673          | 406                        | 374                        |
| 3 x 240/120 SM                  | ●       | ○       | 8.400      | 56                | 9.850          | 473                        | 445                        |
| 3 x 300/150 SM                  | ○       |         | 10.500     | 66                | 11.900         | 535                        | 511                        |
| 4 x 1,5 RE                      | ●       | ●       | 60         | 11                | 278            | 27                         | 20                         |
| 4 x 2,5 RE                      | ●       | ●       | 100        | 12                | 340            | 36                         | 25                         |
| 4 x 4 RE                        | ●       | ●       | 160        | 14                | 460            | 47                         | 34                         |
| 4 x 6 RE                        | ●       | ●       | 240        | 15                | 570            | 59                         | 43                         |
| 4 x 10 RE                       | ●       | ●       | 400        | 17                | 775            | 79                         | 59                         |
| 4 x 10 RM                       | ●       | ●       | 400        | 18                | 775            | 79                         | 59                         |
| 4 x 16 RE                       | ●       | ●       | 640        | 19                | 1.072          | 102                        | 79                         |
| 4 x 16 RM                       | ●       | ●       | 640        | 20                | 1.072          | 102                        | 79                         |
| 4 x 25 RM                       | ●       | ●       | 1.000      | 22                | 1.632          | 133                        | 106                        |
| 4 x 35 SM                       | ●       | ●       | 1.400      | 23                | 1.959          | 159                        | 129                        |
| 4 x 50 SM                       | ●       | ●       | 2.000      | 28                | 2.595          | 188                        | 157                        |
| 4 x 70 SM                       | ●       | ●       | 2.800      | 32                | 3.488          | 232                        | 199                        |
| 4 x 95 SM                       | ●       | ●       | 3.800      | 36                | 4.637          | 280                        | 246                        |
| 4 x 120 SM                      | ●       | ●       | 4.800      | 39                | 5.689          | 318                        | 285                        |
| 4 x 150 SM                      | ●       | ●       | 6.000      | 45                | 6.973          | 359                        | 326                        |
| 4 x 185 SM                      | ●       | ●       | 7.400      | 52                | 8.663          | 406                        | 374                        |
| 4 x 240 SM                      | ●       | ●       | 9.600      | 58                | 11.140         | 473                        | 445                        |
| 5 x 1,5 RE                      | ●       | ○       | 75         | 13                | 317            | *                          | *                          |
| 5 x 2,5 RE                      | ●       |         | 125        | 14                | 391            | *                          | *                          |
| 5 x 4 RE                        | ●       |         | 200        | 16                | 537            | *                          | *                          |
| 5 x 6 RE                        | ●       |         | 300        | 17                | 672            | *                          | *                          |

| Aderzahl und<br>Nennquerschnitt | lagernd | lagernd | Kupferzahl | Außen-<br>durchm. | Gewicht        | Belast-<br>barkeit<br>Erde | Belast-<br>barkeit<br>Luft |
|---------------------------------|---------|---------|------------|-------------------|----------------|----------------------------|----------------------------|
| mm <sup>2</sup>                 | J       | O       | kg/km      | ca. mm            | ca.<br>kg / km | A                          | A                          |
| 5 x 10 RE                       | ●       |         | 500        | 19                | 921            | *                          | *                          |
| 5 x 10 RM                       | ●       |         | 500        | 20                | 921            | *                          | *                          |
| 5 x 16 RE                       | ●       |         | 800        | 22                | 1.294          | *                          | *                          |
| 5 x 16 RM                       | ●       |         | 800        | 23                | 1.294          | *                          | *                          |
| 5 x 25 RM                       | ●       |         | 1.250      | 27                | 2.004          | *                          | *                          |
| 5 x 35 RM                       | ●       |         | 1.750      | 28                | 2.575          | *                          | *                          |
| 5 x 50 RM                       | ●       |         | 2.500      | 34                | 3.193          | *                          | *                          |
| 5 x 70 RM                       | ●       |         | 3.500      | 38                | 4.319          | *                          | *                          |
| 5 x 95 RM                       | ●       |         | 4.750      | 44                | 5.783          | *                          | *                          |
| 5 x 120 RM                      | ●       |         | 6.000      | 48                | 7.095          | *                          | *                          |
| 5 x 150 RM                      | ●       |         | 7.500      | 59                | 8.240          | *                          | *                          |
| 5 x 185 RM                      | ○       |         | 9.250      | 60                | 10.835         | *                          | *                          |
| 5 x 240 RM                      | ○       |         | 12.000     | 68                | 14.136         | *                          | *                          |
|                                 |         |         |            |                   |                |                            |                            |
| 7 x 1,5 RE                      | ●       | ●       | 105        | 13                | 376            | *                          | *                          |
| 10 x 1,5 RE                     | ●       | ●       | 150        | 16                | 495            | *                          | *                          |
| 12 x 1,5 RE                     | ●       | ●       | 180        | 18                | 440            | *                          | *                          |
| 14 x 1,5 RE                     | ●       | ●       | 210        | 19                | 494            | *                          | *                          |
| 16 x 1,5 RE                     | ●       | ●       | 240        | 20                | 600            | *                          | *                          |
| 19 x 1,5 RE                     | ●       | ●       | 285        | 19                | 614            | *                          | *                          |
| 21 x 1,5 RE                     |         | ○       | 315        | 22                | 700            | *                          | *                          |
| 24 x 1,5 RE                     | ●       | ●       | 360        | 23                | 769            | *                          | *                          |
| 30 x 1,5 RE                     | ●       | ●       | 450        | 25                | 918            | *                          | *                          |
| 40 x 1,5 RE                     | ●       |         | 600        | 27                | 1.250          | *                          | *                          |
|                                 |         |         |            |                   |                |                            |                            |
| 7 x 2,5 RE                      | ●       | ●       | 175        | 14                | 472            | *                          | *                          |
| 10 x 2,5 RE                     | ●       | ○       | 250        | 19                | 530            | *                          | *                          |
| 12 x 2,5 RE                     | ●       | ●       | 300        | 20                | 578            | *                          | *                          |
| 14 x 2,5 RE                     | ●       | ○       | 350        | 21                | 680            | *                          | *                          |
| 16 x 2,5 RE                     | ○       |         | 400        | 22                | 750            | *                          | *                          |
| 19 x 2,5 RE                     | ●       | ○       | 475        | 23                | 870            | *                          | *                          |
| 21 x 2,5 RE                     | ○       |         | 525        | 24                | 900            | *                          | *                          |
| 24 x 2,5 RE                     | ●       | ●       | 600        | 25                | 1.035          | *                          | *                          |
| 30 x 2,5 RE                     | ●       | ○       | 750        | 27                | 1.300          | *                          | *                          |
| 40 x 2,5 RE                     | ○       |         | 1.000      | 30                | 1.700          | *                          | *                          |
|                                 |         |         |            |                   |                |                            |                            |
| 7 x 4 RE                        | ●       |         | 280        | 19                | 600            | *                          | *                          |
| 7 x 6 RE                        | ●       |         | 420        | 20                | 760            | *                          | *                          |
| 7 x 10 RE                       | ●       |         | 700        | 22                | 1.080          | *                          | *                          |

\* Bei vieladrigen Kabeln hängt die Belastbarkeit von der Anzahl der belasteten Adern ab. (siehe DIN VDE 0276-627)