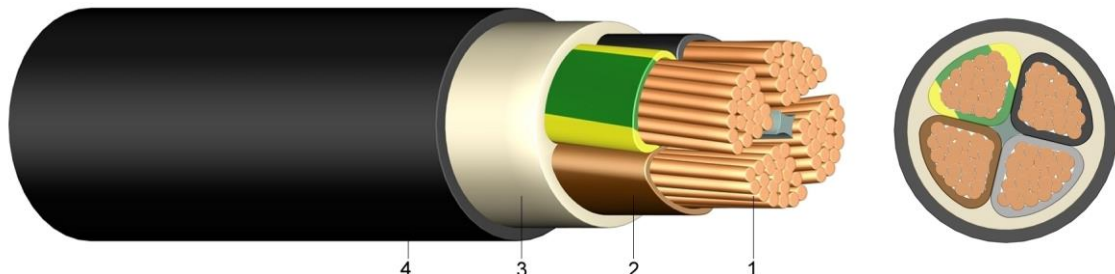


NY Y

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

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), mehrdrähtig(RM/SM) oder feindrähtig(RF)
- 2 Aderisolation aus Polyvinylchlorid (PVC)
- 3 PVC - Füllmantel oder Bänderung
- 4 Außenmantel aus Polyvinylchlorid, 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:

DIN VDE 0276-603
 HD 603 S1:1994 + A2:2003
 DIN EN 60228 Klasse 1, 2 und 5 (Leiteraufbau)
 HD 308 S2 (Aderkennzeichnung)

Technische Daten:

| | | |
|----------------------|----------------------------|-----------------|
| Nennspannung U_0/U | [V] | 600 / 1000 Volt |
| Prüfspannung | [V] _{AC} | 4000 |
| Temperaturbereich | bei der Verlegung | -5°C bis +70°C |
| | Betriebstemperatur | -20°C bis +70°C |
| Biegeradius | einadrige Ausführung x DA | 15 |
| | mehradrige Ausführung x DA | 12 |
| Brennverhalten | Norm | EN 60332-1-2 |

| Aderzahl und Nennquerschnitt | lagernd | lagernd | Kupferzahl | Außen-durchm. | Gewicht | Belast-barkeit | Belast-barkeit |
|------------------------------|---------|---------|------------|---------------|-------------|----------------|----------------|
| mm ² | J | O | kg/km | ca. mm | ca. kg / km | Erde A | Luft A |
| 1 x 4 RE | ○ | ○ | 40 | 8 | 120 | 50 | 37 |
| 1 x 6 RE | ○ | ○ | 60 | 9 | 131 | 62 | 47 |
| 1 x 10 RE | ● | ○ | 100 | 10 | 171 | 83 | 64 |
| 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 |



| Aderzahl und Nennquerschnitt | | lagernd | lagernd | Kupferzahl | Außen-durchm. | Gewicht | Belast-barkeit | Belast-barkeit |
|------------------------------|-------|---------|---------|------------|---------------|-------------|----------------|----------------|
| mm ² | | J | O | kg/km | ca. mm | ca. kg / km | Erde A | Luft A |
| 1 x 500 | RM | | ● | 5.000 | 34 | 5.284 | 693 | 747 |
| 1 x 630 | RM | | ○ | 6.300 | 42 | 6.850 | 777 | 858 |
| 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 | 13 | 244 | 27 | 20 |
| 3 x 2,5 | RE | ● | ○ | 75 | 14 | 294 | 36 | 25 |
| 3 x 4 | RE | ● | ○ | 120 | 16 | 393 | 47 | 34 |
| 3 x 6 | RE | ● | ○ | 180 | 17 | 481 | 59 | 43 |
| 3 x 10 | RE | ● | ○ | 300 | 18 | 645 | 79 | 59 |
| 3 x 16 | RE | ● | ○ | 480 | 20 | 872 | 102 | 79 |
| 3 x 16 | RM | ● | ● | 480 | 20 | 872 | 102 | 79 |
| 3 x 25 | RM | ● | ● | 750 | 25 | 1.350 | 133 | 106 |
| 3 x 35 | SM | ● | ● | 1.050 | 25 | 1.460 | 159 | 129 |
| 3 x 50 | SM | ● | ● | 1.500 | 29 | 1.750 | 188 | 157 |
| 3 x 70 | SM | ○ | ○ | 2.100 | 32 | 2.400 | 232 | 199 |
| 3 x 95 | SM | ○ | ○ | 2.850 | 35 | 3.560 | 280 | 246 |
| 3 x 120 | SM | ○ | ○ | 3.600 | 38 | 4.310 | 318 | 285 |
| 3 x 150 | SM | ○ | ○ | 4.500 | 42 | 5.310 | 359 | 326 |
| 3 x 185 | SM | ○ | ○ | 5.550 | 47 | 6.630 | 406 | 374 |
| 3 x 240 | SM | | ○ | 7.200 | 53 | 8.480 | 473 | 445 |
| 3 x 25/16 | RM/RE | ● | ○ | 910 | 25 | 1.513 | 133 | 106 |
| 3 x 35/16 | SM/RE | ● | ○ | 1.210 | 27 | 1.804 | 159 | 129 |
| 3 x 50/25 | SM/RM | ● | ○ | 1.750 | 31 | 2.349 | 188 | 157 |
| 3 x 70/ 35 | SM | ● | ● | 2.450 | 35 | 3.117 | 232 | 199 |
| 3 x 95/ 50 | SM | ● | ● | 3.350 | 39 | 4.167 | 280 | 246 |
| 3 x 120/ 70 | SM | ● | ● | 4.300 | 44 | 5.190 | 318 | 285 |
| 3 x 150/ 70 | SM | ● | ● | 5.200 | 47 | 6.161 | 359 | 326 |
| 3 x 185/ 95 | SM | ● | ○ | 6.500 | 53 | 7.673 | 406 | 374 |
| 3 x 240/120 | SM | ● | ○ | 8.400 | 59 | 9.850 | 473 | 445 |
| 3 x 300/150 | SM | ○ | | 10.500 | 65 | 11.900 | 535 | 511 |
| 4 x 1,5 | RE | ● | ○ | 60 | 14 | 278 | 27 | 20 |
| 4 x 2,5 | RE | ● | ○ | 100 | 15 | 340 | 36 | 25 |
| 4 x 4 | RE | ● | ○ | 160 | 17 | 460 | 47 | 34 |
| 4 x 6 | RE | ● | ○ | 240 | 18 | 570 | 59 | 43 |
| 4 x 10 | RE | ● | ○ | 400 | 20 | 775 | 79 | 59 |
| 4 x 10 | RM | ● | ○ | 400 | 20 | 775 | 79 | 59 |
| 4 x 16 | RE | ● | ○ | 640 | 22 | 1.072 | 102 | 79 |
| 4 x 16 | RM | ● | ○ | 640 | 22 | 1.072 | 102 | 79 |
| 4 x 25 | RM | ● | ● | 1.000 | 27 | 1.632 | 133 | 106 |
| 4 x 35 | SM | ● | ● | 1.400 | 27 | 1.959 | 159 | 129 |
| 4 x 50 | SM | ● | ● | 2.000 | 32 | 2.595 | 188 | 157 |
| 4 x 70 | SM | ● | ● | 2.800 | 36 | 3.488 | 232 | 199 |
| 4 x 95 | SM | ● | ● | 3.800 | 41 | 4.637 | 280 | 246 |
| 4 x 120 | SM | ● | ● | 4.800 | 43 | 5.689 | 318 | 285 |
| 4 x 150 | SM | ● | ● | 6.000 | 49 | 6.973 | 359 | 326 |
| 4 x 185 | SM | ● | ● | 7.400 | 54 | 8.663 | 406 | 374 |
| 4 x 240 | SM | ● | ● | 9.600 | 60 | 11.140 | 473 | 445 |



| Aderzahl und Nennquerschnitt | lagernd | lagernd | Kupferzahl | Außen-durchm. | Gewicht | Belast-barkeit | Belast-barkeit |
|------------------------------|---------|---------|------------|---------------|-------------|----------------|----------------|
| mm ² | J | O | kg/km | ca. mm | ca. kg / km | Erde A | Luft A |
| 5 x 1,5 RE | ● | ○ | 75 | 15 | 317 | * | * |
| 5 x 2,5 RE | ● | | 125 | 16 | 391 | * | * |
| 5 x 4 RE | ● | | 200 | 18 | 537 | * | * |
| 5 x 6 RE | ● | | 300 | 19 | 672 | * | * |
| 5 x 10 RE | ● | | 500 | 21 | 921 | * | * |
| 5 x 10 RM | ● | | 500 | 21 | 921 | * | * |
| 5 x 16 RE | ● | | 800 | 24 | 1.294 | * | * |
| 5 x 16 RM | ● | | 800 | 24 | 1.294 | * | * |
| 5 x 25 RM | ● | | 1.250 | 29 | 2.004 | * | * |
| 5 x 35 RM | ● | | 1.750 | 30 | 2.575 | * | * |
| 5 x 50 RM | ● | | 2.500 | 36 | 3.193 | * | * |
| 5 x 70 RM | ● | | 3.500 | 40 | 4.722 | * | * |
| 5 x 95 RM | ● | | 4.750 | 46 | 6.393 | * | * |
| 5 x 120 RM | ● | | 6.000 | 50 | 7.095 | * | * |
| 5 x 150 RM | ● | | 7.500 | 59 | 8.240 | * | * |
| 5 x 185 RM | ○ | | 9.250 | 63 | 11.692 | * | * |
| 5 x 240 RM | ○ | | 12.000 | 70 | 13.711 | * | * |
| | | | | | | | |
| 7 x 1,5 RE | ● | ● | 105 | 16 | 376 | * | * |
| 10 x 1,5 RE | ● | ● | 150 | 19 | 495 | * | * |
| 12 x 1,5 RE | ● | ● | 180 | 18 | 440 | * | * |
| 14 x 1,5 RE | ● | ● | 210 | 20 | 494 | * | * |
| 16 x 1,5 RE | ● | ● | 240 | 21 | 600 | * | * |
| 19 x 1,5 RE | ● | ● | 285 | 22 | 614 | * | * |
| 21 x 1,5 RE | | ○ | 315 | 23 | 700 | * | * |
| 24 x 1,5 RE | ● | ● | 360 | 24 | 769 | * | * |
| 30 x 1,5 RE | ● | ● | 450 | 26 | 918 | * | * |
| 40 x 1,5 RE | ● | | 600 | 29 | 1.250 | * | * |
| | | | | | | | |
| 7 x 2,5 RE | ● | ● | 175 | 17 | 472 | * | * |
| 10 x 2,5 RE | ● | ○ | 250 | 20 | 530 | * | * |
| 12 x 2,5 RE | ● | ● | 300 | 21 | 578 | * | * |
| 14 x 2,5 RE | ● | ○ | 350 | 22 | 680 | * | * |
| 16 x 2,5 RE | ○ | | 400 | 23 | 750 | * | * |
| 19 x 2,5 RE | ● | ○ | 475 | 24 | 870 | * | * |
| 21 x 2,5 RE | ○ | | 525 | 25 | 900 | * | * |
| 24 x 2,5 RE | ● | ● | 600 | 26 | 1.035 | * | * |
| 30 x 2,5 RE | ● | ○ | 750 | 28 | 1.300 | * | * |
| 40 x 2,5 RE | ○ | | 1.000 | 31 | 1.700 | * | * |
| | | | | | | | |
| 7 x 4 RE | ● | | 280 | 18 | 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)