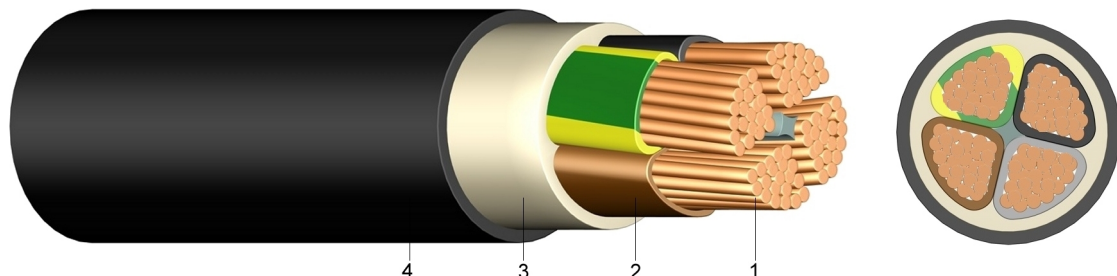


(N)2XY PVC-isolierte Starkstromkabel 0,6/1kV ein- und mehradrig

Application: This power cable is suitable for fixed installations, preferably in cable ducts, indoors, outdoors, in water or underground if no mechanical damage is to be expected.



Construction:

- 1 solid (RE) or stranded (RM/SM) bare copper
- 2 core insulation of polyvinylchloride (PVC)
- 3 PVC core covering or taping
- 4 outer sheath of polyethylene (PE), black, Shore-hardness >55

Standards: adapted to DIN VDE 0276-603
 DIN EN 60228 class 1 and 2 (construction)
 HD 308 S2 (core identification)

Technical data:

| | | | |
|-------------------------|-------------|-------------------|------------------|
| Nominal voltage U_0/U | | [V] | 600 / 1000 Volt |
| Test voltage | | [V] _{AC} | 4000 |
| Temperature range | in motion | | -5°C till +70°C |
| | fixed | | -20°C till +70°C |
| Bending radius | Single core | x diameter | 15 |
| | Multi core | x diameter | 12 |
| Flammability | Standard | | EN 60332-1-2 |

| Number of cores and nominal cross section | Copper figure | Overall diameter | Weight | Current carrying capacity ground | Current carrying capacity air |
|---|---------------|------------------|-------------|----------------------------------|-------------------------------|
| mm ² | kg/km | appr. mm | appr. kg/km | A | A |
| 1 x 16 RM | 153,6 | 9,3 | 211 | 115 | 102 |
| 1 x 25 RM | 240,0 | 10,6 | 310 | 148 | 138 |
| 1 x 35 RM | 336,0 | 11,7 | 401 | 177 | 170 |
| 1 x 50 RM | 480,0 | 13,0 | 524 | 209 | 207 |
| 1 x 70 RM | 672,0 | 14,9 | 731 | 256 | 263 |
| 1 x 95 RM | 912,0 | 17,3 | 1.085 | 307 | 325 |
| 1 x 120 RM | 1.152,0 | 18,5 | 1.310 | 349 | 380 |
| 1 x 150 RM | 1.440,0 | 20,6 | 1.525 | 393 | 437 |
| 1 x 185 RM | 1.776,0 | 23,1 | 1.868 | 445 | 507 |
| 1 x 240 RM | 2.304,0 | 26,0 | 2.500 | 517 | 604 |
| 1 x 300 RM | 2.880,0 | 28,4 | 3.180 | 583 | 697 |
| 3 x 1,5 RE | 43,2 | 10,6 | 162 | 31 | 24 |
| 3 x 2,5 RE | 72,0 | 11,5 | 205 | 40 | 32 |
| 3 x 4 RE | 115,2 | 12,4 | 264 | 52 | 42 |
| 3 x 6 RE | 172,8 | 13,5 | 340 | 64 | 53 |
| 3 x 10 RE | 288,0 | 16,5 | 534 | 86 | 74 |
| 3 x 16 RM | 460,8 | 18,9 | 761 | 112 | 98 |

| Number of cores and nominal cross section | Copper figure | Overall diameter | Weight | Current carrying capacity ground | Current carrying capacity air |
|--|----------------------|-------------------------|--------------------|---|--------------------------------------|
| mm² | kg/km | appr. mm | appr. kg/km | A | A |
| 3 x 25/ 16 SM | 873,6 | 23,5 | 1.415 | 145 | 133 |
| 3 x 35/ 16 SM | 1.161,6 | 25,5 | 1.717 | 174 | 162 |
| 3 x 50/ 25 SM | 1.680,0 | 28,6 | 2.331 | 206 | 197 |
| 3 x 70/ 35 SM | 2.352,0 | 35,9 | 3.278 | 254 | 250 |
| 3 x 95/ 50 SM | 3.216,0 | 41,0 | 4.432 | 305 | 308 |
| 3 x 120/ 70 SM | 4.128,0 | 42,0 | 5.538 | 348 | 359 |
| 3 x 150/ 70 SM | 4.992,0 | 47,1 | 6.598 | 392 | 412 |
| 3 x 185/ 95 SM | 6.240,0 | 52,2 | 8.366 | 444 | 475 |
| 3 x 240/120 SM | 8.064,0 | 58,2 | 10.628 | 517 | 564 |
| 3 x 300/150 SM | 10.080,0 | 63,8 | 13.164 | 585 | 649 |
| 4 x 1,5 RE | 57,6 | 11,3 | 189 | 31 | 24 |
| 4 x 2,5 RE | 96,0 | 12,3 | 243 | 40 | 32 |
| 4 x 4 RE | 153,6 | 13,4 | 314 | 52 | 42 |
| 4 x 6 RM | 230,4 | 14,6 | 408 | 64 | 53 |
| 4 x 10 RM | 384,0 | 17,9 | 655 | 86 | 74 |
| 4 x 16 RM | 614,4 | 20,5 | 944 | 112 | 98 |
| 4 x 25 RM | 960,0 | 24,2 | 1.397 | 145 | 133 |
| 4 x 35 SM | 1.344,0 | 26,9 | 1.806 | 174 | 162 |
| 4 x 50 SM | 1.920,0 | 30,2 | 2.369 | 206 | 197 |
| 4 x 70 SM | 2.688,0 | 35,4 | 3.365 | 254 | 250 |
| 4 x 95 SM | 3.648,0 | 40,9 | 4.586 | 305 | 308 |
| 4 x 120 SM | 4.608,0 | 44,2 | 5.516 | 348 | 359 |
| 4 x 150 SM | 5.760,0 | 49,0 | 6.940 | 392 | 412 |
| 4 x 185 SM | 7.104,0 | 55,8 | 8.645 | 444 | 475 |
| 4 x 240 SM | 9.216,0 | 62,7 | 11.126 | 517 | 564 |
| 4 x 300 SM | 11.520,0 | 68,4 | 13.688 | 585 | 649 |
| 5 x 1,5 RE | 72,0 | 12,3 | 223 | ** | ** |
| 5 x 2,5 RE | 120,0 | 13,4 | 289 | ** | ** |
| 5 x 4 RE | 192,0 | 14,6 | 384 | ** | ** |
| 5 x 6 RE | 288,0 | 16,0 | 502 | ** | ** |
| 5 x 10 RE | 480,0 | 19,6 | 793 | ** | ** |
| 5 x 16 RE | 768,0 | 22,6 | 1.125 | ** | ** |
| 5 x 25 RM | 1.200,0 | 26,5 | 1.663 | ** | ** |
| 5 x 35 RM | 1.680,0 | 29,5 | 2.175 | ** | ** |
| 7 x 1,5 RE | 100,8 | 13,1 | 259 | ** | ** |
| 7 x 2,5 RE | 168,0 | 14,3 | 341 | ** | ** |
| 9 x 1,5 RE | 129,6 | 15,5 | 322 | ** | ** |
| 9 x 2,5 RE | 216,0 | 17,0 | 428 | ** | ** |
| 10 x 1,5 RE | 144,0 | 16,0 | 349 | ** | ** |
| 10 x 2,5 RE | 240,0 | 17,6 | 465 | ** | ** |
| 12 x 1,5 RE | 172,8 | 16,5 | 392 | ** | ** |
| 12 x 2,5 RE | 288,0 | 18,2 | 529 | ** | ** |
| 14 x 1,5 RE | 201,6 | 17,2 | 438 | ** | ** |
| 14 x 2,5 RE | 336,0 | 19,0 | 596 | ** | ** |
| 15 x 1,5 RE | 216,0 | 18,1 | 465 | ** | ** |
| 15 x 2,5 RE | 360,0 | 20,0 | 633 | ** | ** |
| 19 x 1,5 RE | 273,6 | 18,9 | 550 | ** | ** |
| 19 x 2,5 RE | 456,0 | 20,9 | 758 | ** | ** |
| 21 x 1,5 RE | 302,4 | 19,9 | 599 | ** | ** |
| 21 x 2,5 RE | 504,0 | 22,0 | 827 | ** | ** |
| 24 x 1,5 RE | 345,6 | 21,8 | 676 | ** | ** |
| 24 x 2,5 RE | 576,0 | 24,2 | 935 | ** | ** |

* on enquiry

** The current carrying capacity of the cables depends on the number of cores loaded (see DIN VDE 0276-627)