We Make Modern
Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

# NYCWY

## PVC/PVC copper energy cable with concentric conductor

The cables are designed for distribution of electrical energy in a fixed installation into the ground, channels and in the outdoor environment. The concentric conductor serves as a shield or as a neutral conductor.




### TECHNICAL DATA

**Standard**
DIN VDE 0276-603 (HD 603)

**Certificate**
VDE Germany

**Test Voltage**
4 kV / 50 Hz

**Rated Voltage**
0.6/1 kV

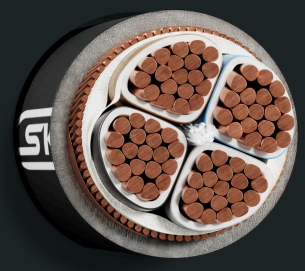
**Bending radius (min.)**
12 x Ø of cable

**Fire properties**
EN 60332-1-2: flame retardant and self-extinguishing
CPR classification: Eca

**Core identification**
HD 308 S2

**Temperature range**
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 160°C

### DESIGN



1. Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
2. Core insulation (PVC)
3. Inner covering (EPDM)
4. Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
5. Sheath (PVC black, UV-resistant)

| Number of cores x nominal cross-section / cross-section of screen ($mm^2$) | 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) | Standard lengths/p-acking (m) |
|---|---|---|---|---|---|---|
| 2 x 10 RE / 10 | 1.83 | 94 | 70 | 21.0 | 714 | 1000 D |
| 3 x 10 RE / 10 | 1.83 | 79 | 60 | 21.9 | 822 | 1000 D |
| 4 x 10 RE / 10 | 1.83 | 79 | 60 | 23.2 | 943 | 1000 D |
| 2 x 16 RE / 16 | 1.15 | 122 | 93 | 22.8 | 936 | 1000 D |
| 2 x 16 RM / 16 | 1.15 | 122 | 93 | 23.3 | 964 | 1000 D |
| 3 x 16 RE / 16 | 1.15 | 102 | 80 | 23.9 | 1095 | 1000 D |
| 3 x 16 RM / 16 | 1.15 | 102 | 80 | 24.4 | 1126 | 1000 D |
| 4 x 16 RE / 16 | 1.15 | 102 | 80 | 25.3 | 1275 | 1000 D |
| 5 x 16 RE / 16 | 1.15 | 102 | 80 | 27.5 | 1506 | 1000 D |
| 3 x 25 RM / 16 | 0.727 | 133 | 108 | 27.8 | 1536 | 1000 D |
| 3 x 25 RM / 25 | 0.727 | 133 | 108 | 27.8 | 1614 | 1000 D |
| 4 x 25 RM / 16 | 0.727 | 133 | 108 | 30.0 | 1835 | 1000 D |
| 5 x 25 RM / 25 | 0.727 | 133 | 108 | 32.7 | 2183 | 1000 D |
| 3 x 35 RM / 25 | 0.524 | 160 | 132 | 30.1 | 1977 | 1000 D |
| 3 x 35 RM / 35 | 0.524 | 160 | 132 | 30.9 | 2072 | 1000 D |
| 4 x 35 SM / 16 | 0.524 | 160 | 132 | 31.0 | 2170 | 1000 D |
| 5 x 35 RM / 16 | 0.524 | 160 | 132 | 36.3 | 2817 | 1000 D |
| 3 x 50 SM / 25 | 0.387 | 190 | 160 | 31.1 | 2209 | 1000 D |
| 3 x 50 SM / 50 | 0.387 | 190 | 160 | 31.9 | 2414 | 1000 D |
| 4 x 50 SM / 25 | 0.387 | 190 | 160 | 34.8 | 2835 | 1000 D |
| 3 x 70 SM / 35 | 0.268 | 234 | 202 | 34.9 | 2973 | 1000 D |
| 3 x 70 SM / 70 | 0.268 | 234 | 202 | 34.9 | 3270 | 1000 D |
| 4 x 70 SM / 35 | 0.268 | 234 | 202 | 38.7 | 3814 | 1000 D |
| 3 x 95 SM / 50 | 0.193 | 280 | 249 | 39.4 | 4039 | 1000 D |
| 3 x 95 SM / 95 | 0.193 | 280 | 249 | 40.2 | 4489 | 1000 D |
| 4 x 95 SM / 50 | 0.193 | 280 | 249 | 44.2 | 5108 | 500 D |
| 3 x 120 SM / 70 | 0.153 | 319 | 289 | 42.0 | 4978 | 500 D |
| 3 x 120 SM / 120 | 0.153 | 319 | 289 | 42.8 | 5499 | 500 D |
| 4 x 120 SM / 70 | 0.153 | 319 | 289 | 47.9 | 6412 | 500 D |
| 4 x 120 SM / 95 | 0.153 | 319 | 289 | 48.9 | 6715 | 500 D |
| 3 x 150 SM / 70 | 0.124 | 357 | 329 | 45.9 | 5936 | 500 D |
| 3 x 150 SM / 95 | 0.124 | 357 | 329 | 46.9 | 6235 | 500 D |
| 4 x 150 SM / 70 | 0.124 | 357 | 329 | 53.0 | 7675 | 500 D |
| 3 x 185 SM / 95 | 0.099 | 402 | 377 | 51.3 | 7507 | 500 D |
| 4 x 185 SM / 95 | 0.099 | 402 | 377 | 59.7 | 9677 | 500 D |
| 3 x 240 SM / 120 | 0.075 | 463 | 443 | 56.6 | 9588 | 500 D |
| 4 x 240 SM / 120 | 0.075 | 463 | 443 | 65.8 | 12395 | 500 D |
| 1 x 300 RM / 35 | 0.060 | 518 | 504 | 34.3 | 3760 | 1000D |
| 4 x 300 SM / 150 | 0.060 | 535 | 511 | 69.6 | 15331 | 500D |

Technical changes reserved. All figures are therefore without guarantee.



**CONTACT PERSON**

**Natalia Dikovits**
Sales
+43 (0) 1 70170-120
natalia.dikovits@skw.at