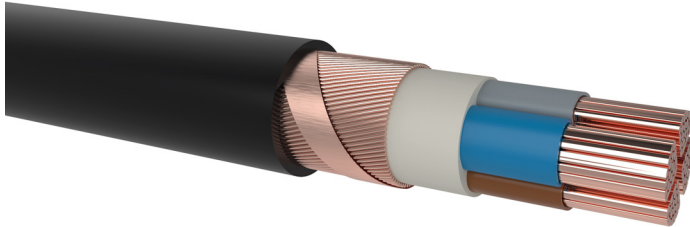


## NYCWY

PVC/PVC copper energy cable with concentric conductor

### 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)

### APPLICATION

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)



**Rated voltage:**  
0.6/1 kV



**Test voltage:**  
core / core                      4 kV / 50 Hz  
core / screen                    4 kV / 50 Hz



**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/5 s



**Bending radius (min.):**  
15 x Ø of cable (single core)  
12 x Ø of cable (multi core)



**Core identification:**  
HD 308 S2



**Fire properties:**  
EN 60332-1-2: self-extinguishing and flame retardant  
CPR classification:        E<sub>ca</sub>



**Certificate:**  
VDE Germany

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 (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
<b>NYCWY</b>						
2 x 10 RE/10	1.83	94	70	19.0	645	1000 D
3 x 10 RE/10	1.83	79	60	21.5	855	1000 D
4 x 10 RE/10	1.83	79	60	22.0	915	1000 D
2 x 16 RE/16	1.15	122	93	22.0	890	1000 D
3 x 16 RE/16	1.15	102	80	24.0	1020	1000 D
4 x 16 RE/16	1.15	102	80	25.0	1310	1000 D
3 x 25 RM/16	0.727	133	108	26.0	1440	1000 D
3 x 25 RM/25	0.727	133	108	26.5	1530	1000 D
4 x 25 RM/16	0.727	133	108	28.0	1710	1000 D
3 x 35 SM/16	0.524	160	132	28.0	1590	1000 D
3 x 35 SM/35	0.524	160	132	29.0	1950	1000 D
4 x 35 SM/16	0.524	160	132	31.5	1990	1000 D
3 x 50 SM/25	0.387	190	160	32.0	2120	1000 D
3 x 50 SM/50	0.387	190	160	32.5	2330	1000 D
4 x 50 SM/25	0.387	190	160	36.0	2690	1000 D

## NYCWY

PVC/PVC copper energy cable with concentric conductor

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 (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
<b>NYCWY</b>						
3 x 70 SM/35	0.268	234	202	36.0	2940	1000 D
3 x 70 SM/70	0.268	234	202	38.0	3260	1000 D
4 x 70 SM/35	0.268	234	202	38.1	3650	1000 D
3 x 95 SM/50	0.193	280	249	38.4	3870	1000 D
3 x 95 SM/95	0.193	280	249	42.0	4320	1000 D
4 x 95 SM/50	0.193	280	249	40.8	5010	500 D
3 x 120 SM/70	0.153	319	289	41.2	4780	500 D
3 x 120 SM/120	0.153	319	289	46.0	5260	500 D
4 x 120 SM/70	0.153	319	289	44.9	6740	500 D
3 x 150 SM/70	0.124	357	329	45.6	5870	500 D
3 x 150 SM/150	0.124	357	329	50.0	6610	500 D
4 x 150 SM/70	0.124	357	329	50.2	7990	500 D
3 x 185 SM/95	0.0991	402	377	52.5	8120	500 D
4 x 185 SM/95	0.0991	402	377	59.5	9310	500 D
3 x 240 SM/120	0.0754	463	443	55.8	9320	500 D
4 x 240 SM/120	0.0754	463	443	66.4	12110	500 D
1 x 300 RM/35	0.0601	473	519	35.9	3760	1000 D

Technical changes reserved. All figures are therefore without guarantee.