



# NYCWY

## PVC/PVC copper energy cable with concentric conductor

COPPER 0,6/1 kV, SCREENED OR ARMoured

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

<p><b>Standard</b> DIN VDE 0276-603 (HD 603)</p>	<p><b>Rated Voltage</b> 0,6/1 kV</p>	<p><b>Core identification</b> HD 308 S2</p>
<p><b>Certificate</b> VDE Germany</p>	<p><b>Bending radius (min.)</b> 12 x Ø of cable</p>	<p><b>Temperature range</b> Laying temperature: min. -5°C Operating temperature: -50°C up to 70°C</p>
<p><b>Test Voltage</b> core/core 4 kV / 50 Hz</p>	<p><b>Fire properties</b> EN 60332-1-2: self-extinguishing CPR classification: Eca</p>	<p>Conductor temperature: max. 70°C Short circuit temperature: max. 160°C</p>

### 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 <sup>2</sup> )	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)
2 x 10 RE / 10	1.83	94	70	21.0	714
3 x 10 RE / 10	1.83	79	60	21.9	822
4 x 10 RE / 10	1.83	79	60	23.2	943
2 x 16 RE / 16	1.15	122	93	22.8	936
2 x 16 RM / 16	1.15	122	93	23.3	964
3 x 16 RE / 16	1.15	102	80	23.9	1095
3 x 16 RM / 16	1.15	102	80	24.4	1126
4 x 16 RE / 16	1.15	102	80	25.3	1275
5 x 16 RE / 16	1.15	102	80	27.5	1506
3 x 25 RM / 16	0.727	133	108	27.8	1536
3 x 25 RM / 25	0.727	133	108	27.8	1614
4 x 25 RM / 16	0.727	133	108	30.0	1835
5 x 25 RM / 25	0.727	133	108	32.7	2183
3 x 35 RM / 25	0.524	160	132	30.1	1977
3 x 35 RM / 35	0.524	160	132	30.9	2072
4 x 35 SM / 16	0.524	160	132	31.0	2170
5 x 35 RM / 16	0.524	160	132	36.3	2817
3 x 50 SM / 25	0.387	190	160	31.1	2209
3 x 50 SM / 50	0.387	190	160	31.9	2414
4 x 50 SM / 25	0.387	190	160	34.8	2835
3 x 70 SM / 35	0.268	234	202	34.9	2973
3 x 70 SM / 70	0.268	234	202	34.9	3270
4 x 70 SM / 35	0.268	234	202	38.7	3814
3 x 95 SM / 50	0.193	280	249	39.4	4039
3 x 95 SM / 95	0.193	280	249	40.2	4489
4 x 95 SM / 50	0.193	280	249	44.2	5108
3 x 120 SM / 70	0.153	319	289	42.0	4978
3 x 120 SM / 120	0.153	319	289	42.8	5499
4 x 120 SM / 70	0.153	319	289	47.9	6412
4 x 120 SM / 95	0.153	319	289	48.9	6715
3 x 150 SM / 70	0.124	357	329	45.9	5936
3 x 150 SM / 95	0.124	357	329	46.9	6235
4 x 150 SM / 70	0.124	357	329	53.0	7675
3 x 185 SM / 95	0.099	402	377	51.3	7507
4 x 185 SM / 95	0.099	402	377	59.7	9677
3 x 240 SM / 120	0.075	463	443	56.6	9588
4 x 240 SM / 120	0.075	463	443	65.8	12395

**CONTACT PERSON**

**Ing. Štěpán Laštůvka**  
Product Supervisor  
+420 732 912 682  
stepan.lastuvka@prakab.com

