PRAKAB

We Make Modern Life Possible.

COPPER 0,6/1 KV, SCREENED OR ARMOURED

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
core/core 4 kV / 50 Hz

Rated Voltage
0,6/1 kV

Bending radius (min.)
12 x Ø of cable

Fire properties
EN 60332-1-2: 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 (mm²)	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

Technical changes reserved. All figures are therefore without guarantee.



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