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POWER CABLES AND OVERHEAD LINES 0.6/1 kV

NYCWY

PVC/PVC copper energy cable with concentric
conductor



TECHNICAL DATA



Standard
DIN VDE 0276-603 (HD 603)



Rated Voltage
0.6/1 kV



Test Voltage
4 kV / 50 Hz



Bending radius (min.)
12 x $\varnothing$ of cable



Core identification
HD 308 S2



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

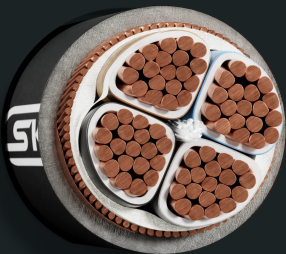


Certificate
VDE Germany



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



CONTACT PERSON

Dogan Özcan, MSc
Head of Technical Department
+43 (0) 1 70170-154
dogan.oezcan@skw.at

