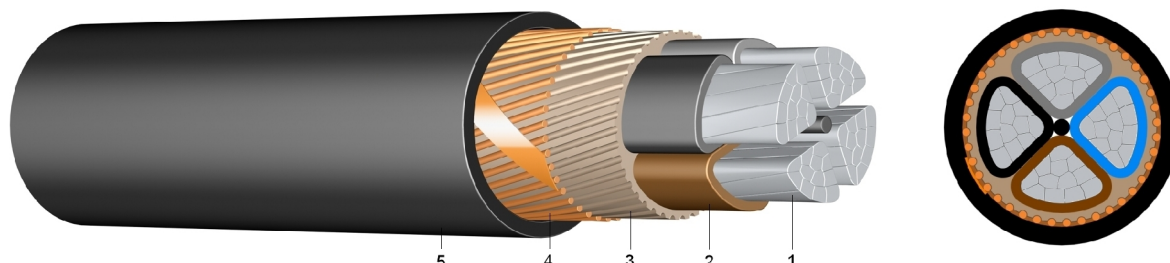


## NAYCWY

## PCV Insulated Heavy Current Cable with Concentric Conductor

### Application:

In dry, humid and wet locations, cable ducts, outdoors, underground and in water.



### Construction:

- 1 ..... solid or stranded bare aluminium wire
- 2 ..... core insulation of polyvinylchloride (PVC)
- 3 ..... PVC core covering
- 4 ..... concentric conductor of copper wires and copper tape applied helically
- 5 ..... outer sheath of polyvinylchloride (PVC), black

### Standards:

DIN VDE 0276-603  
DIN EN 60228 class 1 (construction)  
HD 308 S2 (core identification)

### Technical data:

Nominal voltage U <sub>0</sub> /U		[V]	600 / 1000 Volt
Test voltage		[V] <sub>Ac</sub>	4000
Temperature range	in motion		- 5°C till +70°C
	fixed		-20°C till +70°C
Operating temperature	short circuit	°C	160
Short circuit time	max.	[sec]	5
Bending radius	one time / fixed	x diameter	12
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air	
						mm <sup>2</sup>
3 x 50 SM/ 25	423,4	283,2	30,0	1.191	145	121
3 x 70 SM/ 35	593,3	393,6	33,0	1.536	180	155
3 x 95 SM/ 50	805,4	559,7	38,1	2.039	216	189
3 x 120 SM/ 70	1.016,6	780,5	41,0	2.464	246	220
3 x 150 SM/ 70	1.270,1	780,5	44,0	2.862	276	249
3 x 185 SM/ 95	1.567,7	1.055,0	52,0	3.696	287	313
3 x 240 SM/120	2.034,2	1.329,6	56,8	5.053	362	339
4 x 25 RM/ 16	282,2	182,4	28,0	1.110	103	83
4 x 35 SM/ 16	395,5	182,4	30,0	1.125	123	101
4 x 50 SM/ 25	564,5	283,2	33,0	1.472	145	121
4 x 70 SM/ 35	790,1	393,6	37,0	1.880	180	155
4 x 95 SM/ 50	1.072,3	559,7	42,0	2.525	216	189
4 x 120 SM/ 70	1.354,6	780,5	46,0	3.069	246	220
4 x 150 SM/ 70	1.693,4	780,5	50,0	3.642	276	249
4 x 185 SM/ 95	2.089,0	1.055,0	58,0	4.610	313	287
4 x 240 SM/120	2.709,1	1.329,6	63,0	6.269	362	339